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Publications



# *Statistical*

## **REPORT OF THE MINISTER OF LANDS AND FORESTS OF THE PROVINCE OF ONTARIO**

*for the year ending March 31, 1953*

*Printed by order of*

THE LEGISLATIVE ASSEMBLY OF ONTARIO, TORONTO



TO HIS HONOUR,

*The Lieutenant-Governor of the Province  
of Ontario.*

MAY IT PLEASE YOUR HONOUR:

The undersigned begs respectfully to present  
to your Honour, the Annual Report of the Department of Lands and Forests for the fiscal year April 1, 1952 to March 31, 1953.

WELLAND S. GEMMELL,

*Minister.*

*Statistical*

**REPORT**

**OF THE MINISTER**

*of* **LANDS AND FORESTS**

**OF THE PROVINCE**

**OF ONTARIO**

*for the fiscal year ending*

**MARCH 31, 1953**



*Printed by order of*

THE LEGISLATIVE ASSEMBLY  
OF ONTARIO

*Sessional Paper No. 15, 1953    Toronto, 1953*

Printed and Published by Baptist Johnston,  
Printer to the Queen's Most Excellent Majesty



*For the convenience of all concerned — and to facilitate access to such information as may be desired—the Annual Report of the Minister of Lands and Forests is again presented in three parts.*

*In addition to this volume—which contains a Statistical Record of the Department's financial and operational activities in tabular, graphical and chart form—a second volume, entitled "Highlights", briefly portrays some of the important achievements of the ten Administrative Divisions during the fiscal year of 1952-53, and further illustrates their accomplishments by means of colour-pictographs.*

*Also available on request to those requiring it for some useful purpose, is the regular, detailed report—in mimeograph form—of all Departmental activities and operations during the fiscal year.*



## DIVISION OF ACCOUNTS

### FINANCIAL REPORT

#### 1. CASH RECEIPTS AND DISBURSEMENTS

The following summarizes the result of operations for the year.

Total—Cash Receipts .....	\$23,147,875.13
—Cash Disbursements .....	13,141,062.48
Excess of Receipts over Disbursements .....	\$10,006,812.65

#### 2. COMPARISON OF RESULTS WITH THOSE OF PRIOR YEARS

Cash receipts for the year under review compare with those of the previous four years as follows:

##### (a) Receipts

DIVISION	YEARS ENDING MARCH 31ST				
	1949	1950	1951	1952	1953
Accounts	\$	\$	\$	\$	\$
Water Power Rentals .....	759,570	811,664	827,937	1,101,125	1,293,570
Provincial Land Tax .....	217,521	242,292	322,661	367,696	393,236
Long Lac Diversion .....	19,500	19,050	18,600	18,150	17,700
Miscellaneous .....	26,225	21,778	22,692	24,524	35,548
Air Service .....	6,373	10,734	13,407	16,710	11,720
Fish and Wildlife .....	2,813,876	2,774,518	3,065,752	3,319,945	3,409,915
Forest Protection .....	48,330	70,707	38,975	55,473	30,141
Land and Recreational Areas .....	409,465	400,223	381,590	385,899	393,322
Reforestation .....	1,685	153	60		128,220
Surveys .....	402	534	516	753	844
Timber Management .....	7,332,290	6,789,235	6,461,103	9,500,865	15,117,701
Mississagi Salvage Project .....		459,961	5,162,994	3,036,457	2,315,958
Operation and Personnel (Sylva)		1,406	1,217		
	<u>11,635,237</u>	<u>11,602,255</u>	<u>16,317,504</u>	<u>17,827,597</u>	<u>23,147,875</u>

##### (b) Disbursements

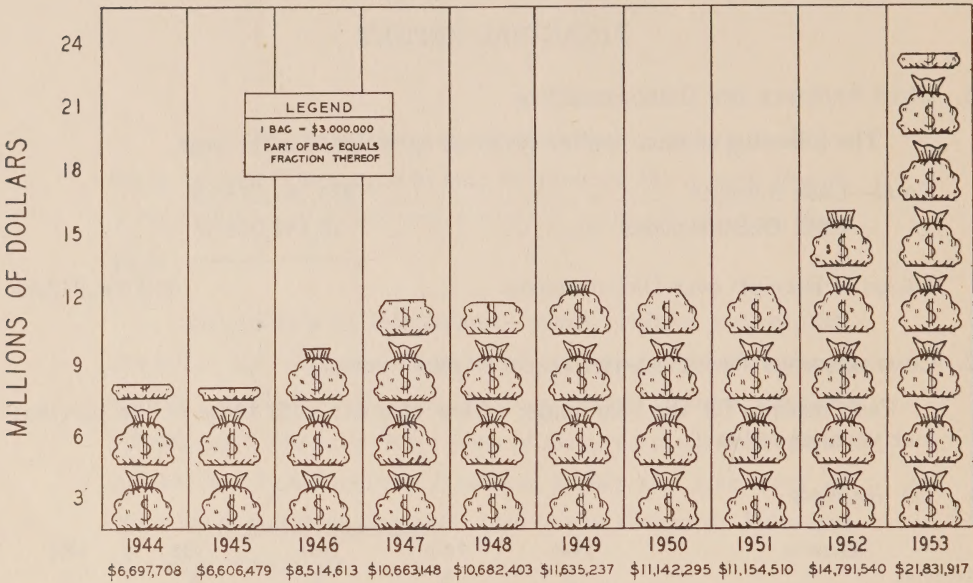
	YEARS ENDING MARCH 31ST				
	1949	1950	1951	1952	1953
	\$	\$	\$	\$	\$
Chargeable to Ordinary Account	9,693,336	9,913,521	9,840,796	10,681,717	11,486,281
Chargeable to Special Appropriation					
Mississagi Salvage Project ..	1,489,845	4,623,339	3,326,882	2,196,672	1,654,781
Chargeable to Special Warrant ..	217,621				
	<u>11,400,802</u>	<u>14,536,860</u>	<u>13,167,618</u>	<u>12,878,389</u>	<u>13,141,062</u>

# TREND OF TOTAL ANNUAL RECEIPTS

FOR THE TEN YEARS ENDING 31 MARCH 1953

INCLUDES FORMER GAME AND FISHERIES DEPARTMENT

DOES NOT INCLUDE MISSISSAGI SALVAGE PROJECT



## STATEMENT OF RECEIPTS AND DISBURSEMENTS FOR THE YEAR ENDING 31st MARCH, 1953

### RECEIPTS

#### DIVISION OF ACCOUNTS

Water Power .....	\$1,293,570.18
Provincial Land Tax .....	393,236.04
Long Lac Diversion .....	17,700.00
Casual Fees, Surveys, Office Fees, etc. ....	22,722.55
Security Deposits .....	12,825.00
	<u>\$ 1,740,053.77</u>

#### DIVISION OF AIR SERVICE

Flying Services and Miscellaneous .....	11,720.41
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#### DIVISION OF FISH AND WILDLIFE

Licences, Royalty and Sundry .....	\$3,391,794.35
Tourist Outfitters' Licences .....	18,120.83
	<u>3,409,915.18</u>

#### DIVISION OF FOREST PROTECTION

Recovery of Fire Fighting Costs and Miscellaneous .....	30,140.84
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#### DIVISION OF LAND AND RECREATIONAL AREAS

Land Sales .....	\$ 197,367.94
Carried forward .....	\$ 197,367.94 \$ 5,191,830.20



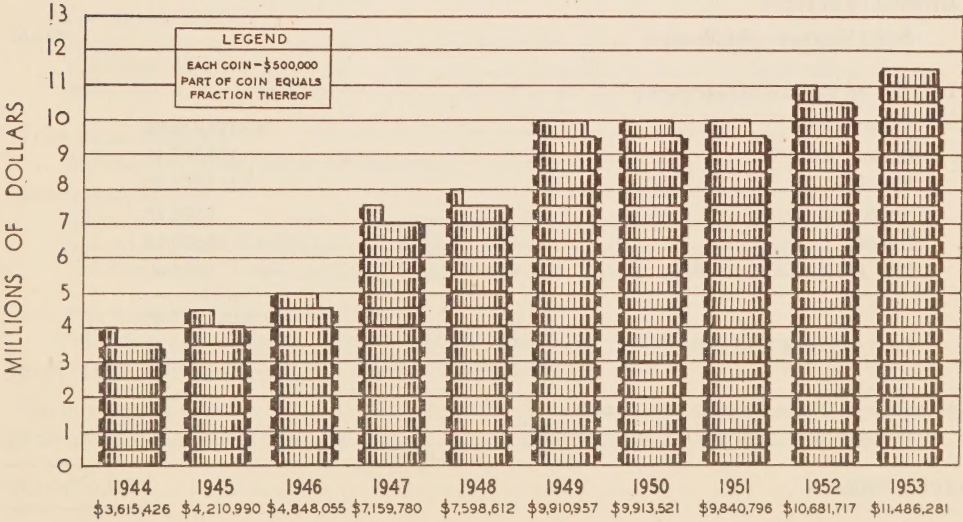
Brought forward .....	\$ 197,367.94	\$ 5,191,830.20
Land Rentals (Other than Parks)		
Leases and Licences of Occupation .....	\$139,078.78	
Temagami Islands .....	1,169.51	
		140,248.29
Park Revenue		
Algonquin		
Rentals .....	\$14,648.91	
Miscellaneous .....	10,253.48	
		\$ 24,902.39
Rondeau		
Rentals .....	\$17,267.89	
Miscellaneous .....	2,693.87	
		19,961.76
Quetico		
Rentals .....	\$ 139.38	
Miscellaneous .....	1,397.70	
		1,537.08
Ipperwash Beach		
Rentals .....	1,052.00	
Miscellaneous .....	4,909.36	
		5,961.36
		52,362.59
Other Lands Division Receipts .....		3,342.78
		393,321.60
Carried forward .....		\$ 5,585,151.80

TREND OF TOTAL ANNUAL DISBURSEMENTS

FOR THE TEN YEARS ENDING 31 MARCH 1953

INCLUDES FORMER GAME AND FISHERIES DEPARTMENT

DOES NOT INCLUDE MISSISSAGI SALVAGE PROJECT



# TREND OF DEPARTMENTAL REVENUE

## TIMBER RETURNS—CROWN DUES—GROUND RENT & FIRE TAX CHARGES FOR THE FIVE YEARS ENDING 31 MARCH 1953



Brought forward ..... \$ 5,585,151.80

### DIVISION OF REFORESTATION

Sale of Nursery Trees ..... 128,220.21

### DIVISION OF SURVEYS

Aerial Surveys—Net Receipts ..... 844.62

### DIVISION OF TIMBER MANAGEMENT

Crown Dues ..... \$13,718,338.94

Ground Rent ..... 123,366.41

Fire Tax ..... 1,175,775.93

Scalers' Wages ..... 1,926.16

Interest ..... 16,518.64

Mill Licences and Sundry ..... 3,915.60

\$15,039,841.68

Cash Deposits (Net) ..... 77,859.19

15,117,700.87

### MISSISSAGI SALVAGE PROJECT (See Contra)

Proceeds of Sale of Fire-Damaged Timber ..... 2,315,957.63

TOTAL RECEIPTS ..... \$23,147,875.13



## DISBURSEMENTS

## MAIN OFFICE

Minister's Salary—Statutory .....	\$ 10,000.00	
Salaries—Permanent and Temporary .....	916,278.68	
Travelling Expenses .....	42,710.16	
Maintenance and Operating .....	17,554.08	
Damage and Other Claims, Sundry Contingencies, etc. ....	2,339.47	
Compensation for Injured Workmen .....	50,390.14	
Cost of Living Bonus—Entire Department .....	1,195,253.71	
Unemployment Insurance Stamps .....	2,092.62	
Annuities and Bonuses to Indians .....	27,892.00	
Advisory Committee to the Minister .....	2,262.65	
		\$ 2,266,773.51

## FIELD SERVICES

## BASIC ORGANIZATION—including District Offices

Salaries .....	\$5,026,519.70	
Travelling Expenses .....	487,942.83	
Maintenance and Operating .....	2,148,994.65	
		7,663,457.18

## EXTRA FIRE FIGHTING

Salaries, etc., Maintenance and Operating .....	281,043.52
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PUBLIC INFORMATION ON (1) FIRE PREVENTION (2) FISH AND WILDLIFE  
(3) REFORESTATION, AND (4) TIMBER MANAGEMENT

Salaries, etc., Maintenance and Operating .....	97,993.51
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## GRANTS

Association of Ontario Land Surveyors .....	\$ 200.00	
Canadian Forestry Association .....	5,000.00	
Municipalities in lieu of School Fees .....	1,458.67	
Jack Minor Migratory Bird Foundation Inc. ....	1,500.00	
Thomas R. Jones .....	300.00	
E. L. Marsh .....	100.00	
Ontario Fur Breeders' Association Inc. ....	2,500.00	
Ontario Federation of Commercial Fishermen .....	1,500.00	
		12,558.67

WOLF BOUNTY .....	46,550.00
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BEAR BOUNTY .....	6,805.00
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## DIVISION OF AIR SERVICE

Salaries .....	\$ 336,966.95	
Travelling Expenses .....	14,636.35	
Maintenance and Operating—including purchase of Aircraft .....	352,443.60	
		704,046.90

## DIVISION OF RESEARCH

Salaries, etc., Maintenance and Operating .....	254,457.36
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## DIVISION OF SURVEYS

Aerial Surveys .....	\$ 14,124.65	
Ground Surveys—Miscellaneous Expenses .....	138,256.41	
Lac Seul Storage Dam—Control and Maintenance .....	214.23	
		152,595.29

## MISSISSAGI SALVAGE PROJECT (See Contra)

Salvaging Fire-Damaged Timber—Salaries, Travelling, Maintenance Expenses, Advances to Contractors, Equipment Purchases .....	1,654,781.54
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TOTAL DISBURSEMENTS .....	\$13,141,062.48
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Excess of Receipts over Disbursements .....	10,006,812.65
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\$23,147,875.13

DIVISION OF AIR SERVICE

ALLOCATION OF AIRCRAFT — 1952-53

BASE	REGISTRATION	TYPE	BASE	REGISTRATION	TYPE
Algonquin Park	CF-ODC	Beaver	Parry Sound	CF-OCL	Beaver
Carey Lake	CF-OBX	Beaver	Pickle Lake	CF-OCS	Beaver
Caribou Lake	CF-OCT	Beaver	Port Arthur	CF-ODB	Beaver
Chapleau	CF-OBH	Beaver	Red Lake	CF-ODA	Beaver
Eva Lake	CF-OCC	Beaver	Remi Lake	CF-OCK	Beaver
Fort Frances	CF-OCN	Beaver	Sault Ste. Marie	CF-OCR	Beaver
Geraldton	CF-OCB	Beaver		CF-OCY	Beaver
Gogama	CF-OBV	Beaver	Sioux Lookout	CF-OCX	Beaver
Ignace	CF-OCI	Beaver		CF-OCZ	Beaver
Kenogami	CF-OCJ	Beaver		CF-OCY	Beaver
Kenora	CF-OBZ	Beaver	South Porcupine	CF-OCA	Beaver
	CF-OCQ	Beaver	Sudbury	CF-OBT	Beaver
Oba Lake	CF-OBV	Beaver	Temagami	CF-OCE	Beaver
	CF-OBS	Beaver	Twin Lakes	CF-OCG	Beaver
Orient Bay	CF-OCV	Beaver	Toronto	CF-ODE	Beaver
	CF-OCJ	Beaver	Photographic	CF-OBR	Norseman
Pays Plat	CF-OCO	Beaver			

The foregoing shows the original allocation of aircraft, but the following aircraft operated for periods at the Bases shown:

BASE	REGISTRATION	TYPE	BASE	REGISTRATION	TYPE
Chapleau	CF-OBW	Beaver	Sault Ste. Marie	CF-OCC	Beaver
Eva Lake	CF-OCU	Beaver		CF-OCW	Beaver
Geraldton	CF-ODG	Beaver	Sudbury	CF-ODF	Beaver
	CF-OBT	Beaver	Toronto	CF-OCY	Beaver
Gogama	CF-OBW	Beaver		CF-ODI	Dove
Ignace	CF-OBV	Beaver			

HOURS FLOWN ON VARIOUS PHASES OF FLYING OPERATIONS

	1949-52	1952-53	TOTAL
Fire Ranging (Detection and Suppression)	16,634.40	5,277.40	21,912.20
Timber Management	2,444.55	674.00	3,118.55
Fish and Wildlife	5,759.50	1,980.10	7,740.00
Lands	546.25	149.10	695.35
Commercial Flying	699.30	150.05	849.35
Administration	11,302.55	3,657.45	14,960.40
	37,388.15	11,888.50	49,277.05

BREAK-DOWN OF ADMINISTRATION

	1952-53	TOTAL		1952-53	TOTAL
Mercy Flights	56.10	56.10	Transportation Ordinary	1,640.20	1,640.20
Tests (Radio and Aircraft)	110.50	110.50	Transportation Special	761.40	761.40
Ferrying and Instructions	171.35	171.35	Photography	280.15	280.15
Research, incl. Entomology and Dusting	265.55	265.55	Reforestation	1.25	1.25
Forced Landings and Operations	273.05	273.05	Surveys	96.30	96.30
				3,657.45	3,657.45



## TRANSPORT AIRCRAFT—EFFECTIVE LOADS CARRIED

AIRCRAFT	HOURS FLOWN	EFFECTIVE LOADS
NORSEMAN		
CF-OBR.....	282.45	50,410 Lbs.— 25 Tons, 410 Lbs.
BEAVER		
CF-OBS.....	473.30	263,625 Lbs.—131 Tons, 1625 Lbs.
CF-OBT.....	123.55	53,902 Lbs.— 26 Tons, 1902 Lbs.
CF-OBV.....	319.00	168,625 Lbs.— 84 Tons, 625 Lbs.
CF-OBV.....	401.45	202,995 Lbs.—101 Tons, 995 Lbs.
CF-OBW.....	122.50	92,680 Lbs.— 46 Tons, 680 Lbs.
CF-OBX.....	292.05	119,640 Lbs.— 59 Tons, 1640 Lbs.
CF-OBV.....	426.00	411,516 Lbs.—205 Tons, 1516 Lbs.
CF-OBZ.....	379.00	193,923 Lbs.— 96 Tons, 1923 Lbs.
CF-OCA.....	262.55	135,060 Lbs.— 67 Tons, 1060 Lbs.
CF-OCB.....	185.20	103,670 Lbs.— 51 Tons, 1670 Lbs.
CF-OCC.....	387.35	233,915 Lbs.—116 Tons, 1915 Lbs.
CF-OCD.....	227.40	101,395 Lbs.— 50 Tons, 1395 Lbs.
CF-OCE.....	437.45	276,280 Lbs.—138 Tons, 280 Lbs.
CF-OCG.....	242.45	174,070 Lbs.— 87 Tons, 70 Lbs.
CF-OCH.....	377.30	362,965 Lbs.—181 Tons, 965 Lbs.
CF-OCI.....	119.35	57,620 Lbs.— 28 Tons, 1620 Lbs.
CF-OCJ.....	405.25	159,560 Lbs.— 79 Tons, 1560 Lbs.
CF-OCK.....	227.25	127,820 Lbs.— 63 Tons, 1820 Lbs.
CF-OCL.....	336.35	101,090 Lbs.— 50 Tons, 1090 Lbs.
CF-OCN.....	333.05	211,460 Lbs.—105 Tons, 1460 Lbs.
CF-OCO.....	307.50	141,515 Lbs.— 70 Tons, 1515 Lbs.
CF-OCV.....	139.35	74,860 Lbs.— 37 Tons, 860 Lbs.
CF-OCQ.....	547.30	236,835 Lbs.—118 Tons, 835 Lbs.
CF-OCR.....	320.10	168,835 Lbs.— 84 Tons, 835 Lbs.
CF-OCS.....	314.50	131,665 Lbs.— 65 Tons, 1665 Lbs.
CF-OCT.....	201.35	73,595 Lbs.— 36 Tons, 1595 Lbs.
CF-OCU.....	369.50	268,980 Lbs.—134 Tons, 980 Lbs.
CF-OCV.....	335.05	129,726 Lbs.— 64 Tons, 1726 Lbs.
CF-OCW.....	64.50	14,235 Lbs.— 7 Tons, 235 Lbs.
CF-OCX.....	247.55	127,315 Lbs.— 63 Tons, 1315 Lbs.
CF-OCY.....	277.15	80,458 Lbs.— 40 Tons, 458 Lbs.
CF-OCZ.....	412.25	186,250 Lbs.— 93 Tons, 250 Lbs.
CF-ODA.....	354.50	158,980 Lbs.— 79 Tons, 980 Lbs.
CF-ODB.....	413.10	221,925 Lbs.—110 Tons, 1925 Lbs.
CF-ODC.....	506.25	265,632 Lbs.—132 Tons, 1632 Lbs.
CF-ODD.....	98.50	24,495 Lbs.— 12 Tons, 495 Lbs.
CF-ODE.....	105.25	29,695 Lbs.— 14 Tons, 1695 Lbs.
CF-ODF.....	286.50	103,255 Lbs.— 51 Tons, 1255 Lbs.
CF-ODG.....	211.25	114,870 Lbs.— 57 Tons, 870 Lbs.
CF-ODI.....	8.40	1,920 Lbs. 1920 Lbs.

## TOTAL TRANSPORT SECTION:—

Total Flying Time, Hours .....	11,888.50
Total Loading, Lbs. ....	6,157,262
Total Loading, Tons .....	3,078 Tons, 1,262 Lbs.

## PASSENGERS AND PERSONNEL CARRIED

	1924-52	1952-53	TOTAL
Passengers Carried .....	253,849	25,900	279,749
Personnel Carried .....	105,674	5,346	111,020
Total Passengers and Personnel Carried .....	359,523	31,246	390,769
Effective Loads Flown, Lbs. ....	76,491,870	6,157,262	82,649,132
Effective Loads Flown, Tons .....	38,245 Tons	3,078 Tons	41,323 Tons
	1,870 Lbs.	1,262 Lbs.	3,132 Lbs.

## FLYING TIME—PILOTS

PILOTS	1924-52	1952-53	TOTAL
Allen, D. W. ....		232.40	232.40
Beaushene, G. D. ....		472.40	472.40
Burton, E. C. ....	3,011.35	378.00	3,389.35
Burton, J. O. ....	2,012.15	436.55	2,449.10
Burt, A. E. ....	3,775.35	379.40	4,155.15
Buckworth, W. B. ....	3,019.15		3,019.15
Calladine, T. J. ....	1,012.00	424.00	1,436.00
Canfield, G. S. ....	406.20	237.20	643.40
Colfer, A. P. ....	597.50	404.45	1,002.35
Cooke, T. C. ....	2,505.55	283.55	2,789.50
Culliton, J. P. ....	3,470.35	76.00	3,546.35
Denley, J. G. ....	3,256.10	434.05	3,690.15
Donnelly, J. T. ....	3,209.15	325.20	3,534.35
Evans, F. B. ....	948.05	335.30	1,283.35
Fawcett, T. B. ....	1,034.40	405.00	1,439.40
Hoar, H. A. ....	744.55	199.50	944.45
Hoeberg, P. S. ....		15.05	15.05
Hugill, A. ....		34.20	34.20
Kincaid, J. ....	2,791.25	558.25	3,349.50
Kingdon, O. F. ....	2,483.20	118.55	2,602.15
Kirk, C. J. ....	999.50	403.40	1,403.30
Lamont, J. A. ....		384.45	384.45
Lanktree, W. J. ....	419.30	306.10	725.40
LeFeuvre, C. J. ....	4,509.30	347.35	4,857.05
MacDougall, F. A. ....	4,344.35	79.10	4,423.45
Parsons, R. ....	4,713.30	393.55	5,107.25
Poulin, L. D. ....	4,309.25	404.30	4,713.55
Ponsford, G. E. ....	826.00	97.55	923.55
Phillips, G. H. R. ....	9,234.05	506.25	9,740.30
Reid, D. M. ....	1,904.00	354.00	2,258.00
Siegel, J. ....	2,159.25	354.25	2,513.50
Speight, H. C. ....	2,830.05	427.15	3,257.20
Sandison, A. S. ....	1,172.25	437.15	1,609.40
Stone, R. W. E. ....	1,673.30	226.55	1,900.25
Shrive, A. N. ....	1,046.30	226.10	1,272.40
Smith, A. B. ....	3,588.55	315.00	3,903.55
Taylor, J. M. ....	2,906.15	40.30	2,946.45
Thomas, E. ....	513.50	282.05	795.55
Trussler, G. E. ....	4,867.10	252.40	5,119.50
Wilson, E. J. ....	304.35	296.05	595.40
Other Pilots .....	126,075.20	5.00	126,080.20
	212,677.35	11,888.50	224,566.25



## FLYING TIME—AIRCRAFT

AIRCRAFT	1924-52	1952-53	TOTAL
NORSEMAN			
CF-OB R.....	1,600.20	282.45	1,883.05
BEAVER			
CF-OBS.....	1,726.20	473.30	2,199.50
CF-OBT.....	1,444.35	123.55	1,568.30
CF-OB U.....	1,443.00	319.00	1,762.00
CF-OB V.....	1,114.10	401.45	1,515.55
CF-OB W.....	1,582.25	122.50	1,705.15
CF-OB X.....	891.00	292.05	1,183.05
CF-OB Y.....	1,240.00	426.00	1,666.00
CF-OB Z.....	1,007.10	379.00	1,386.10
CF-OCA.....	859.30	262.55	1,222.25
CF-OCB.....	1,129.50	185.20	1,315.10
CF-OCC.....	1,006.20	387.35	1,393.55
CF-OCD.....	797.25	227.40	1,025.05
CF-OCE.....	1,033.35	437.45	1,471.20
CF-OCG.....	903.10	242.45	1,145.55
CF-OCH.....	1,044.15	377.30	1,421.45
CF-OCI.....	1,313.30	119.35	1,433.05
CF-OCJ.....	863.20	405.25	1,268.45
CF-OCK.....	1,083.40	227.25	1,311.05
CF-OCL.....	1,012.35	336.35	1,349.10
CF-OCN.....	921.30	333.05	1,254.35
CF-OCO.....	558.30	307.50	866.20
CF-OC P.....	826.00	139.35	965.35
CF-OC Q.....	1,049.20	547.30	1,596.50
CF-OCR.....	804.00	320.10	1,124.10
CF-OCS.....	1,268.55	314.50	1,583.45
CF-OCT.....	859.55	201.35	1,061.30
CF-OCU.....	854.00	369.50	1,223.50
CF-OC V.....	532.45	335.05	867.50
CF-OC W.....	554.55	64.50	619.45
CF-OC X.....	542.05	247.55	790.00
CF-OC Y.....	354.55	277.15	632.10
CF-OC Z.....	94.40	412.25	507.15
CF-ODA.....	264.30	354.50	619.20
CF-ODB.....	357.30	413.10	770.40
CF-ODC.....	152.30	506.25	658.55
CF-ODD.....	106.50	98.50	205.40
CF-ODE.....	175.45	105.25	281.10
CF-ODF.....		286.50	286.50
CF-ODG.....		211.25	211.25
CF-ODI.....		8.40	8.40
All Other Aircraft.....	178,392.05		178,392.05
	211,766.50	11,888.50	223,655.40

## HOURS FLOWN AT BASES

BASE	HOURS FLOWN	BASE	HOURS FLOWN
Algonquin Park .....	480.20	Parry Sound .....	302.05
Carey Lake .....	263.10	Pickle Lake .....	319.30
Caribou Lake .....	178.35	Port Arthur .....	408.10
Chapleau .....	396.30	Red Lake .....	335.10
Eva Lake .....	381.25	Remi Lake .....	206.35
Fort Frances .....	286.25	Sault Ste. Marie .....	1,816.25
Geraldton .....	443.05	Sioux Lookout .....	716.30
Gogama .....	456.15	South Porcupine .....	237.15
Ignace .....	335.35	Sudbury .....	290.40
Kenogami .....	221.50	Temagami .....	416.10
Kenora .....	904.35	Twin Lakes .....	214.20
Oba Lake .....	840.20	Toronto .....	197.35
Orient Bay .....	693.30	Photographic Operations .....	272.25
Pays Plat .....	274.25		
			11,888.50





## DIVISION OF FISH AND WILDLIFE

### COMPARATIVE TABLE SHOWING FISH DISTRIBUTION ACCORDING TO SPECIES

SPECIES	1948	1949	1950	1951	1952
<b>SMALLMOUTH BASS</b>					
Fry	1,402,500	1,532,500	1,505,500	935,000	357,500
Fingerlings	554,900	398,100	346,200	402,250	384,965
Yearlings and Adults	3,459	6,729	9,151	13,910	14,688
<b>LARGEMOUTH BASS</b>					
Fry	410,000	550,000	550,000	825,500	544,000
Fingerlings	300	15,500	52,730	144,750	97,450
Yearlings and Adults	789	249	372	601	962
<b>MASKINONGE</b>					
Fry	3,135,000	2,750,000	3,350,000	2,360,000	3,750,000
Fingerlings	24,600	37,550	29,700	21,940	62,257
Adults	195	—	—	—	156
<b>PICKEREL</b>					
Fry	267,170,000	312,900,000	160,200,000	234,610,000	176,285,000
<b>BROWN TROUT</b>					
Fry	9,000	10,000	10,000	—	—
Fingerlings	557,505	175,000	307,000	282,700	107,500
Yearlings	350,113	221,800	85,475	54,900	140,400
<b>LAKE TROUT</b>					
Fry	1,000,000	1,000,000	1,450,000	1,775,000	1,849,000
Fingerlings	4,858,300	5,561,700	4,488,820	3,146,600	3,499,210
Yearlings	77,055	81,200	54,960	133,677	438,775
<b>RAINBOW TROUT</b>					
Fingerlings	27,900	—	—	9,500	1,500
Yearlings	8,350	—	—	—	—
<b>KAMLOOPS TROUT</b>					
Fingerlings	—	2,000	—	—	1,000
Yearlings	4,600	32,000	52,000	34,600	73,350
Adults	100	—	—	—	—
<b>SPECKLED TROUT</b>					
Fry	1,000	16,000	—	—	—
Fingerlings	882,450	1,475,300	1,004,700	944,900	536,500
Yearlings	2,333,910	2,938,325	3,140,960	3,087,350	2,720,755
Adults	5,270	2,046	8,060	12,230	19,020
<b>WHITEFISH</b>					
Fry	243,482,000	245,150,000	235,200,000	121,185,000	200,400,000
<b>HERRING</b>					
Fry	20,375,000	8,400,000	5,100,000	8,100,000	1,100,000
<b>ATLANTIC SALMON</b>					
Fingerlings	101,400	112,000	—	—	72,000
<b>OUANANICHE</b>					
Fingerlings	—	800	—	—	—
Yearlings	—	—	400	—	24,250
Adults	—	—	35	—	—
<b>TOTALS</b>	546,775,696	583,368,799	416,946,063	378,080,408	392,480,238

## DISTRIBUTION BY AGE GROUPS 1952

SPECIES	FRY	FINGERLINGS	YEARLINGS	ADULTS	TOTALS
Whitefish.....	200,400,000	—	—	—	200,400,000
Herring.....	1,100,000	—	—	—	1,100,000
Yellow Pickerel.....	176,285,000	—	—	—	176,285,000
Lake Trout.....	1,849,000	3,499,210	438,775	—	5,786,985
Brown Trout.....	—	107,500	140,400	—	247,900
Kamloops Trout.....	—	1,000	73,350	—	74,350
Speckled Trout.....	—	536,500	2,720,755	19,020	3,276,275
Rainbow Trout.....	—	1,500	—	—	1,500
Smallmouth Bass.....	357,500	384,965	—	14,688	757,153
Largemouth Bass.....	544,000	97,450	—	962	642,412
Maskinonge.....	3,750,000	62,257	—	156	3,812,413
Atlantic Salmon.....	—	72,000	—	—	72,000
Ouananiche.....	—	—	24,250	—	24,250
TOTALS.....	384,285,500	4,762,382	3,397,530	34,826	392,480,238

COMPARATIVE STATEMENT OF THE YIELD OF THE FISHERIES  
IN THE PROVINCE OF ONTARIO, BY SPECIES

SPECIES	1951 (POUNDS)	1952 (POUNDS)	INCREASE (POUNDS)	DECREASE (POUNDS)
Carp.....	793,216	1,129,836	336,620	—
Catfish and Bullhead.....	894,389	1,185,312	290,923	—
Caviar.....	2,019	2,262	243	—
Eels.....	49,784	65,788	16,004	—
Goldeyes.....	113,660	102,232	—	11,428
Herring.....	1,427,880	1,598,050	170,170	—
Mixed and Coarse*.....	4,786,683	5,407,824	621,141	—
Perch.....	3,375,106	2,738,032	—	637,074
Pickerel (Blue).....	4,102,118	7,447,296	3,345,178	—
Pickerel (Yellow).....	4,025,170	4,670,365	645,195	—
Pike.....	1,004,535	1,056,162	51,627	—
Saugers.....	639,082	361,897	—	277,185
Sturgeon.....	164,041	182,941	18,900	—
Lake Trout.....	1,975,185	2,181,148	205,963	—
Tullibee.....	438,268	488,626	50,358	—
Whitefish.....	7,180,389	9,426,278	2,245,889	—
TOTAL.....	30,971,525	38,044,049	7,998,211	925,687
NET INCREASE.....			7,072,524	

\*Includes the following species: Crappies, dogfish, ling, menominee, rock bass, sheepshead, smelt, suckers, sunfish and white bass.



COMPARATIVE STATEMENT OF THE YIELD OF THE FISHERIES  
IN THE PROVINCE OF ONTARIO, BY LAKE

LAKE	1951 (POUNDS)	1952 (POUNDS)	INCREASE (POUNDS)	DECREASE (POUNDS)
Ontario.....	2,410,424	2,281,317		129,107
Erie.....	13,144,053	17,416,817	4,272,764	
St. Clair.....	389,118	792,150	403,032	
Huron.....	1,473,654	1,735,562	261,908	
Georgian Bay.....	3,720,115	5,359,210	1,639,095	
North Channel.....	548,385	432,856		115,529
Superior.....	2,850,964	3,127,432	276,468	
Northern Inland.....	5,727,579	6,220,566	492,987	
Southern Inland.....	707,233	678,139		29,094
TOTAL.....	30,971,525	38,044,049	7,346,254	273,730
NET INCREASE.....			7,072,524	

MOOSE POPULATIONS IN ONTARIO, 1949-1952

DISTRICT	AREA (SQ. MILES)	ESTIMATED POPULATION				POPULATION DENSITY (SQ. MILES PER MOOSE)				% INCREASE IN 1952
		1949	1950	1951	1952	1949	1950	1951	1952	
Algonquin.....	5,635	360	375	400*	425*	16	15	14	13	6
Chapleau.....	6,492	1,000	1,200	1,259	1,408	6.5	5.4	5.2	4.6	12
Cochrane.....	5,022	2,000	2,300	1,560	1,559	2.5	2.2	3.2	3.2	0
Fort Frances.....	7,350	275	250	282	351	27	29	26	21	24
Geraldton.....	9,187	900	2,000	2,201	2,428	10	4.6	4.2	3.8	10
Gogama.....	6,370	600	1,150	1,241	1,400	11	5.5	5.1	4.6	13
Kapuskasing.....	10,167	1,750	2,650	2,755	3,087	5.8	3.8	3.7	3.3	11
Kenora.....	10,902	1,300	1,600	2,871	3,015	8.4	6.8	3.8	3.6	5
North Bay.....	5,880	650	800	1,000	1,200	9.0	7.4	5.8	4.9	20
Parry Sound.....	6,860	70	70	70*	156	98	98	98	44	—
Patricia Central.....	99,470	—	—	4,500	5,570	—	—	22	18	24
(Patricia East.....	76,317)	—	—	‡	‡	—	—	—	—	—
Patricia West.....	45,202	—	—	6,457	6,685	—	—	7.0	6.8	5
Port Arthur.....	17,027	1,200	2,000	2,373	2,990	14	8.5	7.2	5.7	26
Quinte.....	7,227	—	—	50	90	—	—	145	80	—
Sault Ste. Marie.....	9,555	850	1,500	2,151	2,223	11	6.4	4.5	4.3	3
Sioux Lookout.....	4,655	—	—	877	1,000	—	—	5.2	4.7	14
Sudbury.....	10,167	550	700	796	1,071	18	14	13	9.4	34
Timiskaming.....	5,512	355	375	600	1,000	16	15	9.2	5.5	67
Trent.....	5,390	—	209	125	86	—	26	43	63	—
White River.....	6,982	900	1,200	1,584	1,350	7.8	5.8	4.4	7.0	15†
TOTALS.....	285,082	—	—	33,152	37,094	Averages:	8.6	7.7		12

\*Denotes that the estimates were made in part at Head Office.

†Indicates a decrease from estimates for 1951.

‡No reliable estimates available.

STATISTICS OF THE FISHING INDUSTRY IN THE PUBLIC WATERS OF ONTARIO  
FOR THE YEAR ENDING DECEMBER 31, 1952  
QUANTITIES OF FISH TAKEN  
(in pounds)

	NORTHERN INLAND WATERS	LAKE SUPERIOR	NORTH CHANNEL	LAKE HURON	GEORGIAN BAY	LAKE ST. CLAIR	LAKE ERIE	LAKE ONTARIO	SOUTHERN INLAND WATERS	TOTAL	VALUE
Blue Pickerel...							7,267,374	179,922		7,447,296	\$1,049,818.32
Bullheads...	76,384		186		1,165	4,535		450,413		815,134	135,576.16
Carp...	731	138	7,411	23,299	29,435	385,505		253,474	173,814	1,129,836	70,658.04
Catfish...	76		553	26,974	2,218	50,946		27,772	220,622	370,178	70,524.09
Chub or Tullibee	240,821	93,767		88,218	42,304			23,516	22,345	488,626	37,962.79
Eels...							69	64,853	866	65,788	5,255.60
Goldeyes...	102,232									102,232	16,337.12
Herring...	22,323	993,166	1,149	106,615	34,838	5	328,772	111,182		1,598,054	194,414.78
Lake Trout...	171,648	1,389,146	64,758	51,631	471,971			31,994		2,181,148	767,552.74
Ling...	194,760	21,731	13,870	880	6,420		6,748		3,049	247,458	1,219.66
Northern Pike...	965,487	3,285	38,057	501	14,294	11,130	4,072	16,336	3,000	1,056,162	105,729.06
Perch...	11,062	2,717	13,990	361,541	156	30,287	2,204,204	112,897	1,178	2,738,032	504,145.93
Menominee...		15,577	3,308		1,875					20,760	1,873.61
Suckers...	588,495	49,457	114,032	84,303	14,440	126,378	334,448	62,712	110,767	1,485,032	48,535.23
Rock Bass and Crappies...	15,816		411	5	145	15,996	18,888	19,695	9,469	80,425	10,381.99
Saugers...	30,803	123,796		570		19,019	187,709			361,897	61,712.37
Sheepshead...	58			2,776	890	40,410	1,072,778	1,348	2,662	1,120,922	39,255.37
Smelt...	51,467	2,449	2,125	29			374,066	250,026	8,870	661,583	77,165.84
Sturgeon...	135,575		4,324	5,341	1,169	6,677	8,430	7,617	11,359	182,941	148,759.10
Sunfish...	15	1,470	5		7,076	12,608	7,676	157,009	98,697	284,556	25,027.01
White Bass...	5,435			226		11,313	1,421,545	962	2,353	1,441,834	287,580.91
Whitefish...	1,759,054	267,548	116,337	764,536	4,678,700		1,423,566	416,537		9,426,278	2,627,607.46
Yellow Pickerel...	1,847,064	163,185	52,231	217,952	52,099	68,187	2,166,606	103,026	15	4,670,365	1,118,735.08
Caviar...	1,260		109	165	15	349	364			2,262	9,801.90
Dogfish...						8,805	32,350	15,026	9,073	65,254	1,039.91
Totals	6,220,566	3,127,432	432,856	1,735,562	5,359,210	792,150	17,416,817	2,281,317	678,139	38,044,049	
VALUE.....	\$1,071,926.32	661,034.64	84,008.78	406,860.32	1,380,597.58	90,574.97	3,249,277.09	392,546.77	79,863.60		\$7,416,690.07



BOUNTIES PAID

WOLVES

PERIOD	TIMBER	BRUSH	PUPS	TOTAL	BOUNTY
For year ending Mar. 31, 1949.....	1581	1062	84	2727	\$57,977.00
For year ending Mar. 31, 1950.....	1613	890	41	2544	56,927.00
For year ending Mar. 31, 1951.....	1405	651	44	2100	46,457.00
For year ending Mar. 31, 1952.....	1198	634	63	1895	41,803.00
For year ending Mar. 31, 1953.....	1313	739	68	2120	46,550.00

BEARS

PERIOD	ADULTS	CUBS	BOUNTY
For year ending Mar. 31, 1949.....	592	67	\$6,035.00
For year ending Mar. 31, 1950.....	803	122	8,530.00
For year ending Mar. 31, 1951.....	453	47	4,645.00
For year ending Mar. 31, 1952.....	408	29	4,180.00
For year ending Mar. 31, 1953.....	662	57	6,805.00

STATEMENT OF WILD PELTS EXPORTED OR TANNED

SHOWING NUMBER AND VALUE OF PELTS  
AND ROYALTY RECEIVED

JULY 1ST, 1952, TO JUNE 30TH, 1953

	PELTS EXPORTED	PELTS TANNED	TOTAL PELTS	VALUE OF PELTS
Beaver.....	122,287	303	122,590	\$1,612,058.50
Fisher.....	2,549	10	2,559	50,540.25
Fox (Cross).....	381	17	398	537.30
Fox (Red).....	11,347	467	11,814	8,269.80
Fox (Silver or Black).....	68	25	93	455.70
Fox (White).....	152	18	170	1,870.00
Fox (not specified).....	4	1	5	3.50
Lynx.....	1,460	19	1,479	7,247.10
Marten.....	2,332	27	2,359	24,061.80
Mink.....	35,159	941	36,100	676,875.00
Muskrats.....	591,922	246,470	838,392	1,215,668.40
Otter.....	7,772	73	7,845	167,883.00
Raccoon.....	26,293	374	26,667	52,000.65
Skunk.....	7,026	545	7,571	9,085.20
Weasel.....	39,646	598	40,244	42,256.20
Wolverine.....	—	—	—	—
	848,398	249,888	1,098,286	\$3,868,812.40

REVENUE RECEIVED FROM EXPORT PERMITS ..... \$300,798.80

REVENUE RECEIVED FROM TANNERS' PERMITS ..... 26,313.75

TOTAL REVENUE ..... \$327,112.55

STATISTICS OF THE FISHING INDUSTRY IN THE PUBLIC WATERS OF ONTARIO  
FOR THE YEAR ENDING DECEMBER 31, 1952  
EQUIPMENT

	NORTHERN INLAND WATERS	LAKE SUPERIOR	NORTH CHANNEL	LAKE HURON	GEORGIAN BAY	LAKE ST. CLAIR	LAKE ERIE	LAKE ONTARIO	SOUTHERN INLAND WATERS	TOTALS
NUMBER OF MEN.....	1,099	310	62	153	339	85	964	648	218	3,878
FISHING BOATS.....										
40 Feet and Over.....	No.....	17	2	22	34	1	96	11		196
	Tons.....	329	23	241	549	8	1,912	108		3,306
	Value.....\$	223,700	20,000	139,722	336,200	1,500	1,226,400	39,150		\$2,076,672
20 Feet to 39 Feet.....	No.....	93	17	26	62	21	140	138	11	660
	Value.....\$	153,625	37,325	50,400	118,700	29,850	333,295	136,200	5,700	\$1,016,146
Under 20 Feet.....	No.....	49	14	6	68	35	82	257	108	1,022
	Value.....\$	14,410	3,895	990	8,380	9,505	14,735	37,114	10,550	\$ 155,632
FISHING GEAR.....										
Gill nets.....	Yards	1,364,305	167,050	494,896	1,203,405		3,899,256	1,161,208	3,000	9,056,782
	Value.....\$	337,150	53,585	130,600	289,245		1,044,829	231,950	400	\$2,258,320
Pound nets.....	No.....	42	35	8	81	208	725			1,127
	Value.....\$	30,525	18,700	5,400	141,235	57,000	514,989			\$ 795,249
Trap nets.....	No.....	4	3	118			234			359
	Value.....\$		1,300	114,000			163,340			\$ 280,530
Hoop nets.....	No.....	88			20		17	1,006	433	1,564
	Value.....\$	6,765			600		530	65,605	25,675	\$ 99,175
Seine nets.....	No.....				1	18	36	28	26	109
	Yards				100	4,000	8,397	2,310	2,305	17,112
	Value.....\$				45	4,729	16,185	3,615	4,255	\$ 28,829
Night Lines.....	No. Hooks	9,750		200	1,300	11,700	4,450	13,010	4,350	44,760
	Value.....\$	1,629		25	170	1,050	694	1,332	1,126	\$ 6,026
Dip and Roll Nets.....	No.....	5					2	6	18	31
	Value.....\$	45		15			15	80	115	\$ 255
Trolling Lines.....	No.....	16						42		58
	Value.....\$	240						501		\$ 741
Trammel nets.....	No.....				1					1
	Value.....\$				175					\$ 175
SHORE INSTALLATIONS.....										
Freezers and Ice Houses.....	No.....	171	18	32	51	8	73	39	9	462
	Value.....\$	61,823	13,650	57,240	71,925	8,200	390,400	12,030	1,700	\$ 661,248
Piers and Wharves.....	No.....	143	19	18	60	9	105	33	3	474
	Value.....\$	28,432	6,650	11,050	68,050	6,060	82,886	5,975	300	\$ 233,903
Net Sheds.....	No.....	76	19	50	64	17	198	191	17	727
	Value.....\$	39,375	10,150	41,850	88,820	26,000	391,753	63,835	5,450	\$ 714,878
TOTAL VALUE.....	\$638,149	872,950	165,255	551,277	1,123,545	143,894	4,180,051	597,387	55,271	\$8,327,779

STATEMENT OF RANCH-RAISED PELTS EXPORTED OR TANNED

JULY 1ST, 1952, TO JUNE 30TH, 1953

	PELTS EXPORTED	PELTS TANNED	TOTAL PELTS	VALUE OF PELTS
Fox (Silver or Black).....	3,707	436	4,143	\$ 33,144.00
Mink.....	146,608	6,152	152,760	2,138,640.00
	150,315	6,588	156,903	\$2,171,784.00

SUMMARY OF BREEDING STOCK

LICENSED FUR FARMS, JANUARY 1ST

	1948	1949	1950	1951	1952
Beaver.....	70	71	56	22	16
Fisher.....	46	26	23	21	13
Blue Fox.....	1,450	385	256	200	75
Cross Fox.....	23	11	10	2	1
Pearl Platinum Fox.....	368	565	476	449	349
Platinum Fox.....	2,437	1,549	903	559	267
Red Fox.....	38	23	30	11	6
Standard Silver Fox.....	6,654	5,016	3,391	2,813	1,567
White Fox.....	1	4	1	1	1
White Marked Fox.....	1,690	927	384	225	110
Lynx.....	1	1	0	0	0
Marten.....	35	35	43	35	36
Mink.....	75,192	71,139	67,943	73,034	73,535
Muskrat.....	65	55	125	99	192
Raccoon.....	97	94	76	46	47
Skunk.....	1	5	4	6	2

PHEASANT DISTRIBUTION AND REGULATED TOWNSHIP LICENCES

1952

DISTRICT	DISTRIBUTION NUMBER	TOWNSHIP LICENCES	
		RESIDENT	NON-RESIDENT
Erie .....	25,500	10,401	6,789
Huron .....	23,397	1,270	1,261
Simcoe .....	15,570	3,000	5,000
Lindsay .....	3,175	214*	247*
Tweed .....	375	*	*
Rideau .....	2,800	*	*
TOTALS .....	70,817	14,885	13,297

\*No township licence required to hunt pheasants in this area and only one regulated township in Lindsay District.





## PROSECUTIONS

	RESULTS OF PROSECUTIONS			TOTAL
	CONVICTIONS	DISMISSED	WITHDRAWN	
Conservation Officers .....	2,866	113	44	3,023
Provincial Police .....	14	1	—	15
	<u>2,880</u>	<u>114</u>	<u>44</u>	<u>3,038</u>

## DETAILS OF CONVICTIONS

Hunting without licences .....	542	Shooting muskrats .....	6
Hunting in closed season .....	82	Breaking beaver dams .....	2
Hunting in prohibited hours .....	282	Illegal possession of furs .....	41
Jacklighting deer .....	17	Buying or selling fur without licence .....	5
Taking more than one deer on licence .....	1	Violation of fur dealer's licence .....	1
Killing swimming deer .....	2	Fur dealers keeping improper records .....	10
Violation of farmer's deer licence .....	5	Exporting furs without export licence .....	2
Possession of more than one deer in household on farmer's deer licence .....	2	Operating fur farms without licence .....	2
Illegal killing of moose .....	20	Obstructing an officer in discharge of his duties .....	16
Killing hen pheasants .....	1	Allowing fish or game to spoil .....	2
Molesting pheasants .....	2	Buying or selling game fish or game .....	6
Hunting ducks from power boats .....	9	Operating tourist camps without licence .....	2
Hunting with unplugged shotguns .....	63	Trespassing .....	2
Hunting pheasants or migratory birds with rifles .....	26	Illegal transfer of licences .....	37
Using a high-power rifle in deer season without a deer licence .....	18	Guiding without licence .....	2
Illegal possession of firearms in Crown Game Preserves or Provincial Parks .....	42	Angling without non-resident licence .....	208
Illegal possession of firearms in timber or mining camps, etc. ....	92	Having more than one angling licence during year .....	1
Loaded firearms in motor vehicles .....	179	Importing live minnows .....	3
Guns not encased or dismantled at night .....	56	Angling with more than one line .....	46
Shooting from cars on or across high-ways .....	21	Fishing by use of artificial lights .....	19
Hunting with unlicensed dogs .....	4	Over-limit of minnows in possession .....	2
Allowing dogs to run at large .....	17	Fishing without licence other than by angling .....	189
Using ferrets for hunting rabbits .....	3	Taking under-sized or over-limit of fish .....	152
Illegal possession of game in closed season .....	63	Illegal possession of fish in closed season .....	211
Transporting deer without seals .....	6	Angling in restricted waters .....	82
Over-limit of ducks .....	5	Exporting over-limit of fish, or without coupons .....	59
Over-limit of partridge or pheasants .....	4	Filleting fish for export .....	7
Trapping without licences .....	50	Illegal possession of gill nets .....	57
Violations of trapping licences .....	7	Setting nets in restricted waters .....	3
Trapping in closed season .....	16	Fishing commercially without licences .....	25
Trapping beaver in muskrat house .....	17	Violation of commercial fishing licences .....	10
Using poison bait .....	1	Operating gill nets without identification tags .....	6
Illegal setting of snares .....	5	Dynamiting fish .....	2
Shooting beaver .....	1	Pollution of waters .....	1
			<u>2,880</u>

The following table shows the location by County or District of licensed fur farms, 1952:

COUNTY OR DISTRICT	NUMBER	COUNTY OR DISTRICT	NUMBER
Algoma .....	7	Muskoka .....	8
Brant .....	8	Middlesex .....	24
Bruce .....	26	Nipissing .....	5
Carleton .....	5	Norfolk .....	3
Cochrane .....	1	Northumberland .....	7
Dufferin .....	2	Ontario .....	17
Dundas .....	1	Oxford .....	18
Durham .....	7	Parry Sound .....	17
Elgin .....	13	Peel .....	12
Essex .....	12	Perth .....	41
Frontenac .....	8	Peterboro .....	6
Glengarry .....	3	Prescott .....	6
Grenville .....	3	Prince Edward .....	1
Grey .....	41	Rainy River .....	17
Haldimand .....	7	Renfrew .....	12
Haliburton .....	1	Russell .....	2
Halton .....	24	Simcoe .....	45
Hastings .....	3	Sudbury .....	8
Huron .....	17	Timiskaming .....	7
Kenora .....	17	Thunder Bay .....	55
Kent .....	19	Victoria .....	6
Lambton .....	6	Waterloo .....	21
Lanark .....	14	Welland .....	7
Leeds .....	10	Wellington .....	24
Lennox and Addington .....	4	Wentworth .....	36
Lincoln .....	17	York .....	76
Manitoulin .....	12	TOTAL .....	769





DIVISION OF FOREST PROTECTION

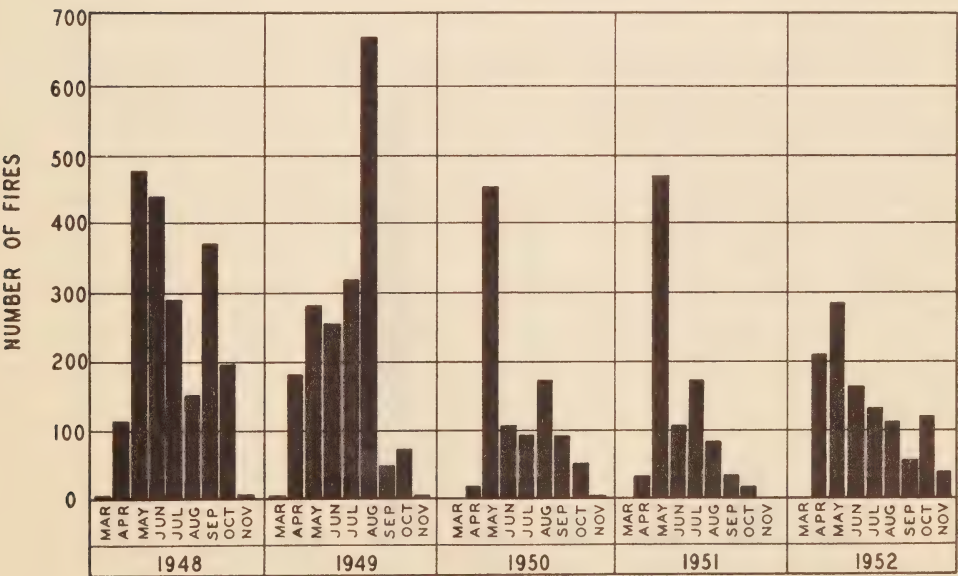
CLASSIFICATION OF FOREST FIRES  
By Size—1952

SIZE	1952 NO.	1951 NO.	1950 NO.	1949 NO.	1948 NO.	1947 NO.	1946 NO.
¼ acre and under	391	329	260	574	571	412	490
Over ¼ to 5 acres	516	383	426	811	894	626	784
Over 5 to 10 acres	65	45	92	122	155	97	129
Over 10 to 100 acres	103	115	155	242	285	177	233
Over 100 to 500 acres	16	21	43	61	74	50	78
Over 500 to 1,000 acres	3	5	3	16	24	12	13
Over 1,000 to 10,000 acres	1	4	6	7	24	19	12
Over 10,000 acres	—	2	—	1	9	—	—
TOTALS	1,095	904	985	1,834	2,036	1,393	1,739

MEANS OF FIRE DETECTION—1952

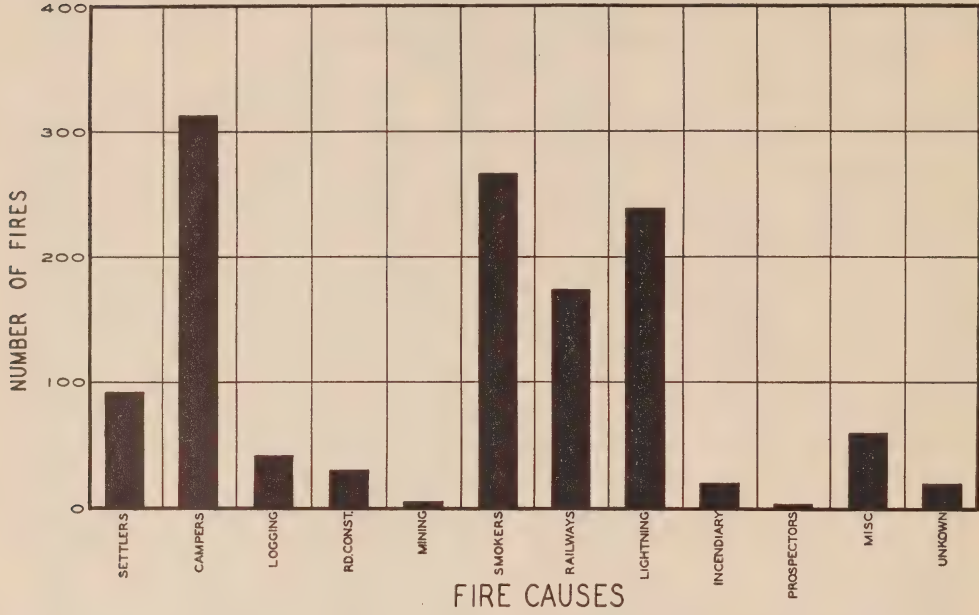
	TOWERS	RANGERS	PUBLIC	AIRCRAFT	TOTAL FIRES
1952 Totals	344	82	530	139	1,095
1951 Totals	310	72	400	122	904
1950 Totals	352	93	423	117	985

NUMBER OF FIRES BY MONTHS AND YEARS  
1948 – 1952

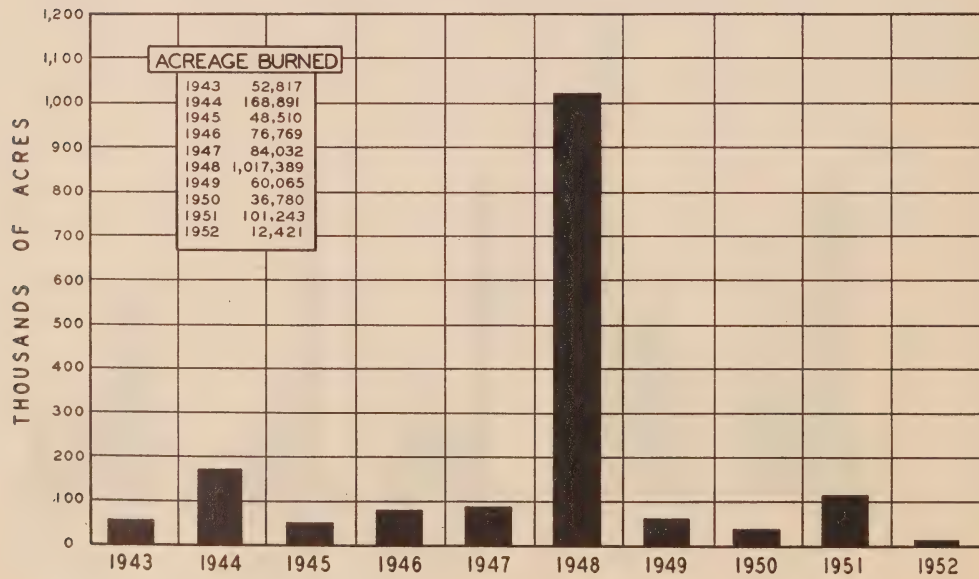


# NUMBER OF FIRES

10 YEAR AVERAGE PERIOD -1943 -1952-BY CAUSES



## ACREAGE BURNED BY FOREST FIRES IN ONTARIO FROM 1943 TO 1952



FIRE DAMAGE TABLE—1952  
(Losses of standing timber calculated on Value of Crown Dues only)

DISTRICTS	CROWN TIMBER DAMAGE		PROTECTION CHARGES	PRIVATE TIMBER DAMAGE		PROTECTION CHARGES	TOTAL TIMBER DAMAGE		PROTECTION CHARGES	TOTAL DAMAGE	PRIVATE PROPERTY DAMAGE
	CU. FT.	\$		CU. FT.	\$		CU. FT.	\$			
Sioux Lookout.....	788,680	7,886.80	2,535.57	513,740	5,137.40	9.83	1,302,420	13,024.20	2,545.40	15,569.60	
Kenora.....	132,668	1,326.68	3,426.92	23,665	236.65	96.31	156,333	1,563.33	3,523.23	5,086.56	
Fort Frances.....	6,066	80.66	43.36				6,066	60.66	43.36	104.02	5,050.00
Port Arthur.....	55,568	555.68	354.54	261	2.61	35.28	55,829	558.29	389.82	948.11	3,075.00
Geraldton.....	8,000	80.00					8,000	80.00		80.00	
Kapuskasing.....	680	6.80	100.36				680	6.80	100.36	107.16	140.65
Cochrane.....	160,750	1,607.50	1,260.16	1,840	18.40		162,590	1,625.90	1,260.16	2,886.06	
White River.....	6,770	67.70	107.04			1.55	6,770	67.70	108.59	176.29	
Swastika.....	1,118	11.18	2.88	100	1.00	6.36	1,218	12.18	9.24	21.42	
Sault Ste. Marie.....	210	2.10	13.50				210	2.10	13.50	15.60	
Gogama.....	6,120	61.20	91.79				6,120	61.20	91.79	152.99	
Chapleau.....	8,340	83.40	40.57				8,340	83.40	40.57	123.97	
Sudbury.....	162,200	1,622.00	486.90	26,100	261.00	125.40	188,300	1,883.00	612.30	2,495.30	15,180.00
North Bay.....	13,252	132.52	156.20	1,880	18.80	44.45	15,132	151.32	200.65	351.97	
Parry Sound.....	6,006	60.06	32.04	407	4.07	110.57	6,413	64.13	142.61	206.74	3,000.00
Algonquin.....	4,400	44.00	36.05	1,350	13.50		5,750	57.50	36.05	93.55	
Tweed.....	35,718	357.18	430.41				35,718	357.18	430.41	787.59	1,301.60
Lindsay.....	4,560	45.60	50.80	6,945	69.45	106.80	11,505	115.05	157.60	272.65	3,600.00
Lake Simcoe.....	200	2.00	.24	600	6.00	16.20	800	8.00	16.44	24.44	
<b>1952 Totals.....</b>	<b>1,401,306</b>	<b>14,013.06</b>	<b>9,169.33</b>	<b>576,888</b>	<b>5,768.88</b>	<b>552.75</b>	<b>1,978,194</b>	<b>19,781.94</b>	<b>9,722.08</b>	<b>29,504.02</b>	<b>31,347.25</b>
1951 Totals.....	29,401,499	294,014.99	92,430.97	188,004	1,880.04	1,120.55	29,589,503	295,895.03	93,551.52	389,446.55	56,388.53
1950 Totals.....	1,624,441	16,244.41	8,611.13	1,936,505	19,365.05	10,927.19	3,560,946	35,609.46	19,538.32	55,147.78	103,682.49



REPORT OF MAJOR EQUIPMENT AS OF MARCH 31, 1953

Regions and Districts	Portable Power Pumps		Portable Hand Pumps		Firefighting Hose in Feet		Tents		Blankets in Pairs		Canoes		Motor Boats		Auto Trucks		Railway Motor Cars		Boats Outboard		Binoculars		Outboard Motors		Tractors		
	Purchased	In Use	Purchased	In Use	Purchased	In Use	Purchased	In Use	Purchased	In Use	Purchased	In Use	Purchased	In Use	Purchased	In Use	Purchased	In Use	Purchased	In Use	Purchased	In Use	Purchased	In Use	Purchased	In Use	
Chapleau.....		35		242		81,000	2	96		570	1	54			4	15			1	9		14		25		1	2
Cochrane.....		2 54		643		153,200		52		475	4	52		4	3	25		1	9		13		30	5	26		
Fort Frances....		2 46	11	111		163,750	4	52	10	549	1	57		4	1	14		1	9		15	2	40		2	1	
Geraldton.....		1 109		637		320,050	23	174		918	3	67		1	4	27		2	6	2	4		20		27		
Gogama.....			32	125		76,800	1	52		519		54		3	3	13		1	7		6		16		15	1	2
Kapuskaing....		3 44	1	398		111,000	6	74	91	612	2	59		3	5	22		1	10		3	6	33	3	19		
Kenora.....		3 71		219		209,850		112		970	1	80		8		3				8		2	27	5	50		1
Lake Erie.....			5	32		7,200					5	2		5	16	32			1			11	22	2	9		3
Lake Huron....		1 5	25	99		15,300		4				2		2	17	40				1		6	10	21	2	6	1
Lake Simcoe...			6	96		22,700	1	13		101		7		1	7	41				2		12	3	25	2	16	
Lindsay.....			14	137		20,850		33		332		23		4	8	36			6			36	1	25	2	22	1
North Bay....			42	177		110,400	13	127		730	7	67		7	5	32			8			33	6	39		2	1
Parry Sound...			31	194		78,500		58		435	1	53		7	6	31			3			34	2	45		2	3
Pembroke.....		1 39	71	243		13,550	43	120	456	1,358	2	96		9	9	34		5	1	29		22	4	37		1	2
Port Arthur...		4 95	18	399		35,000		137		1,315		57		2	6	31			2			6	25	6	36		11
Rideau.....			1 7	56		7,100	1	2				1		1	4	21			1			12	1	8	3	16	1
Sault Ste. Marie			1 53	336		114,200	12	115		822	1	60		3	8	43		3	1	9		21	7	32		3	3
Stoux Lookout..			101	397		281,150		132		1,108		76		3	8	26		1	3	1	6	3	23	5	40		1
Sudbury.....			48	1 127		118,650	24	154	50	659		84		5	11	37		2			16	6	36	2	34		1
Swastika.....			51	311		90,600		56	5	481	6	45			5	23			1		9	23	2	23		2	2
Tweed.....		1 16		231		30,300		26		314	4	14		1	12	29		1	10	49	6	22	6	34			
White River...		2 37	38	251		1,400		93		390	2	63			1	10		2	1	3	3	17	2	16			
Central Region..		1 30		514		131,900		48		241		1										1		1		1	1
Mid-West. Reg..			11	37		62,000		6		110		8				3			1	1	4						2
Northern Region			11	97		35,500				70																	1
Western Region.		1 19		81		65,600		6		394		19				2											3
Fst. Ranger Sch.		1 10		38		14,900		6		505		3															1
Head Office.....		2 7						83		14	7	41	2	4		52											36
Totals	27,109	164	706	274,650	2,743,250	131	1,841	612	13,983	44	1,142	2	63	145	666	6	50	51	373	74	556	68	648	13	73	73	

CLASSIFICATION OF LAND BURNED OVER  
By OWNERSHIP—1952

CLASSIFICATION	1952	1951	1950
Crown Land—Acres.....	7,264	96,662	13,203
Private Lands—Acres.....	5,157	4,581	23,577
Number of Fires.....	1,095	904	985
Total Area in Acres.....	12,421	101,243	36,780

RADIO COMMUNICATIONS

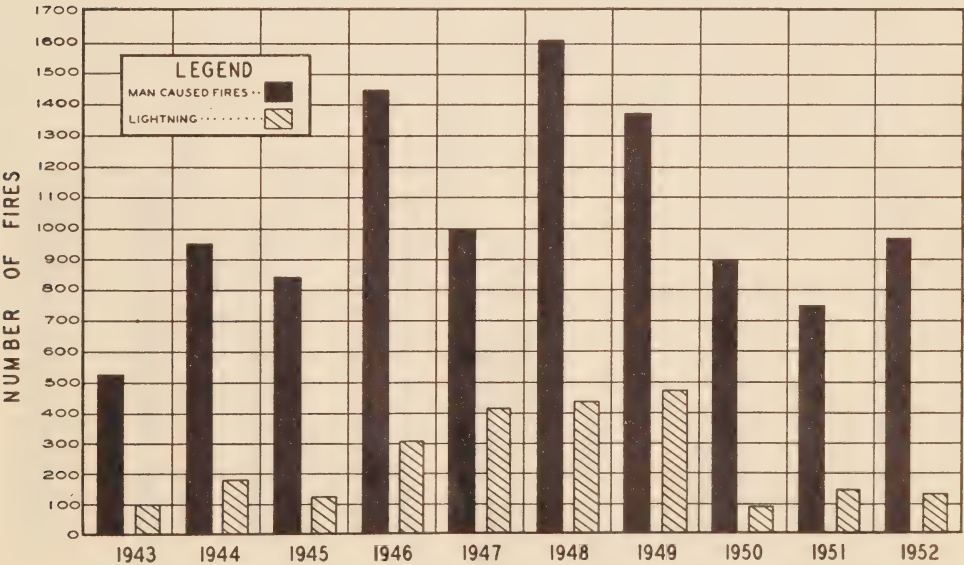
During the year 1952, the Department's province-wide radio communication system handled a total of 46,244 messages comprising a total word count of 1,295,764. This represents an increase in traffic of 11% over 1951 totals and 31% over 1950 totals.

Radio equipment in use during 1952:

Tower Radio Stations .....	286	75 Watt Ground Radio Stations .....	2
Mobile Radio Stations .....	23	150 Watt Ground Radio Stations .....	7
Marine Radio Stations .....	7	300 Watt Ground Radio Stations .....	1
Portable Ground Sets (2½ Watts) .....	100	500 Watt Ground Radio Stations .....	8
Portable Ground Sets ( ½ Watt) .....	50	Aircraft Radio Installations .....	41
30 Watt Ground Radio Stations .....	88		
		TOTAL .....	613

In addition to the above, 17 airborne "Ground Hailers" capable of power outputs of 125 watts each were used to advantage.

NUMBER OF FIRES—MAN CAUSED AND LIGHTNING  
YEARS 1943-1952

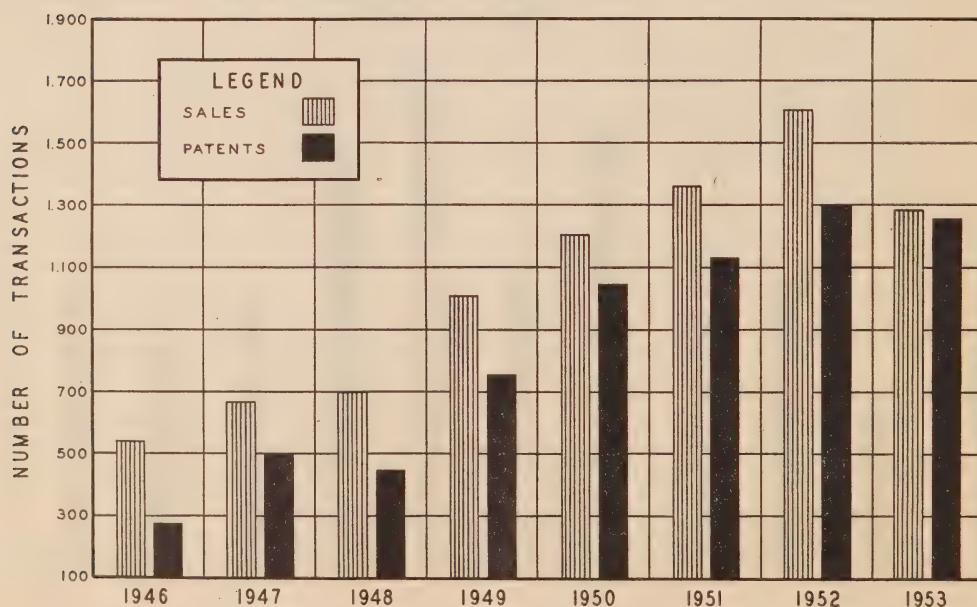


## DIVISION OF LAND AND RECREATIONAL AREAS

### SUMMER RESORT SALES THE FISCAL YEAR ENDING MARCH 31st, 1953

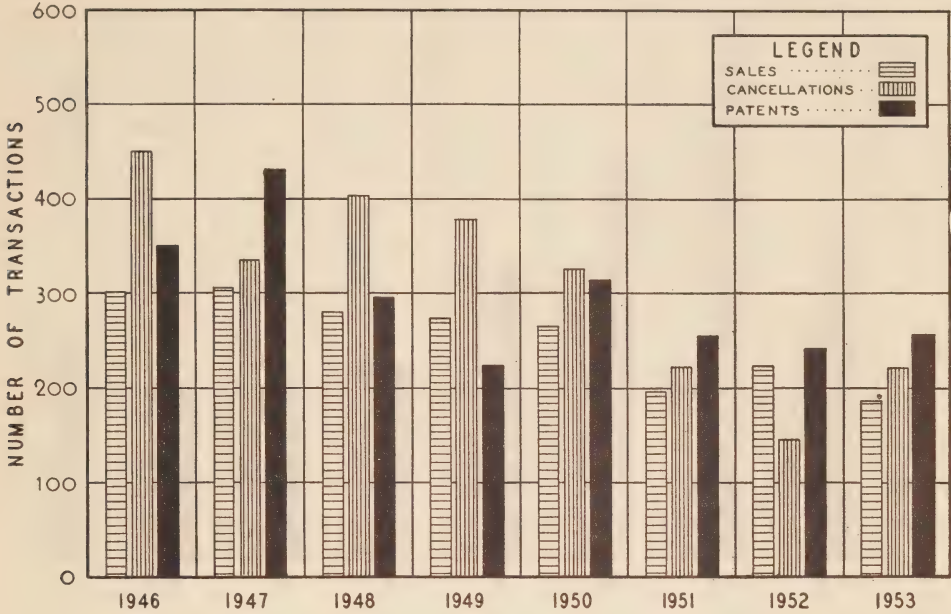
ADMINISTRATIVE DISTRICT	SALES		CANCELLATIONS		ASSIGNMENTS		PATENTS	
	NO.	ACRES	NO.	ACRES	NO.	ACRES	NO.	ACRES
Algonquin	10	17.65	—	—	1	1.40	11	13.924
Chapleau	2	3.38	—	—	1	0.71	3	4.29
Cochrane	29	16.590	—	—	5	2.67	37	20.92
Fort Frances	28	53.12	2	5.20	1	1.46	33	83.18
Geraldton	11	19.88	—	—	1	58.4	17	39.10
Gogama	2	3.30	—	—	—	—	7	13.17
Kapuskasing	5	4.514	—	—	—	—	12	9.957
Kenora	112	198.408	9	17.521	7	14.81	90	162.95
Lake Erie	—	—	—	—	—	—	—	—
Lake Huron	—	—	—	—	—	—	—	—
Lake Simcoe	96	114.711	4	15.56	1	1.69	84	146.169
North Bay	129	240.122	7	16.01	10	16.06	164	292.562
Parry Sound	228	515.6594	10	37.232	2	9.44	193	408.255
Port Arthur	70	104.81	4	8.09	—	—	53	119.64
Quinte	73	96.536	10	15.10	3	3.94	82	107.056
Sault Ste. Marie	71	145.73	6	19.60	2	6.99	69	145.08
Sioux Lookout	47	103.17	3	2.682	1	3.00	39	87.957
Sudbury	118	240.156	6	21.77	1	3.32	88	176.114
Temiskaming	23	22.25	—	—	—	—	17	11.36
Trent	222	363.595	10	23.86	4	3.904	251	429.093
White River	14	15.04	2	0.98	—	—	13	16.58
TOTALS	1,290	2,278.6214	73	183.605	40	127.794	1,263	2,287.357

## SUMMER RESORT LANDS





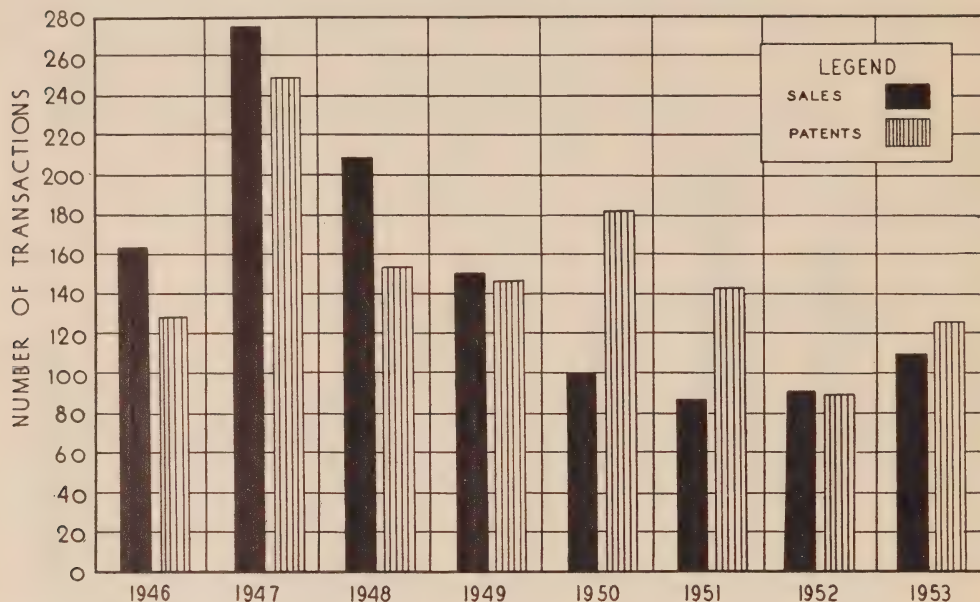
AGRICULTURAL LANDS IN SALE TOWNSHIPS



AGRICULTURAL LAND — THE FISCAL YEAR ENDING MARCH 31ST, 1953

ADMINISTRATIVE DISTRICT	SALES		CANCELLATIONS		ASSIGNMENTS		PATENTS	
	NO.	ACRES	NO.	ACRES	NO.	ACRES	NO.	ACRES
Algonquin	11	1,139.00	10	850.00	1	100.00	13	1,196.38
Chapleau	—	—	—	—	—	—	—	—
Cochrane	36	2,945.067	46	4,010.994	25	1,938.444	25	2,463.662
Fort Frances	13	1,453.80	13	1,638.75	1	77.050	26	3,297.18
Geraldton	—	—	—	—	—	—	—	—
Gogama	—	—	—	—	—	—	1	28.59
Kapuskasing	12	1,043.14	58	4,733.222	4	350.16	48	4,822.312
Kenora	15	2,020.365	9	838.67	6	886.624	11	1,454.93
Lake Erie	—	—	—	—	—	—	3	101.93
Lake Huron	—	—	—	—	—	—	—	—
Lake Simcoe	—	—	—	—	—	—	—	—
North Bay	16	1,894.86	19	2,402.00	2	292.00	25	3,160.368
Parry Sound	4	400.00	1	22.00	1	100.00	2	195.00
Port Arthur	40	7,168.87	24	3,306.95	7	1,079.50	32	4,369.832
Quinte	7	586.5	2	150.00	—	—	6	518.50
Sault Ste. Marie	2	277.32	2	192.50	—	—	4	573.50
Sioux Lookout	2	161.70	2	216.20	—	—	3	316.20
Sudbury	20	2,194.45	4	325.00	11	1,418.50	35	4,071.776
Temiskaming	8	680.50	27	2,484.00	11	1,108.09	20	2,439.06
Trent	—	—	1	160.00	1	210.00	2	310.00
White River	—	—	—	—	—	—	—	—
TOTALS	186	21,965.572	218	21,330.286	70	7,560.368	256	29,319.220
Temiskaming, University Cancellations	—	—	3	315.00	—	—	—	—
	186	21,965.572	221	21,645.286	70	7,560.368	256	29,319.220

## CITY, TOWN AND TOWNSITE LANDS



CITIES, TOWNS AND TOWNPLOTS  
THE FISCAL YEAR ENDING MARCH 31st, 1953

ADMINISTRATIVE DISTRICT	SALES		CANCELLATIONS		ASSIGNMENTS		PATENTS	
	NO.	ACRES	NO.	ACRES	NO.	ACRES	NO.	ACRES
Algonquin	4	1.513	—	—	—	—	3	1.286
Chapleau	—	—	—	—	—	—	3	3.37
Cochrane	4	.562	1	0.25	—	—	2	0.22
Fort Frances	—	—	—	—	—	—	—	—
Geraldton	12	4.323	10	3.23	—	—	14	6.88
Gogama	3	1.072	—	—	—	—	8	2.322
Kapuskasing	9	1.69	—	—	1	0.25	23	7.298
Kenora	16	7.124	1	0.50	—	—	11	4.948
Lake Erie	1	2.00	—	—	—	—	—	—
Lake Huron	8	32.157	1	5.00	—	—	7	29.808
Lake Simcoe	1	2.00	2	4.00	—	—	1	2.00
North Bay	—	—	—	—	—	—	—	—
Parry Sound	1	.50	—	—	—	—	—	—
Port Arthur	9	4.61	—	—	—	—	4	1.14
Quinte	—	—	—	—	—	—	—	—
Sault Ste. Marie	—	—	—	—	—	—	—	—
Sioux Lookout	11	1.8387	4	0.84	—	—	22	5.721
Sudbury	31	5.335	—	—	—	—	24	3.36
Temiskaming	1	.023	—	—	1	0.128	3	0.482
Trent	—	—	—	—	—	—	—	—
White River	—	—	—	—	—	—	1	0.115
TOTALS	111	64.7477	19	13.82	2	0.378	126	68.950

FREE GRANT LAND (INCLUDING SOLDIERS)  
THE FISCAL YEAR ENDING MARCH 31ST, 1953

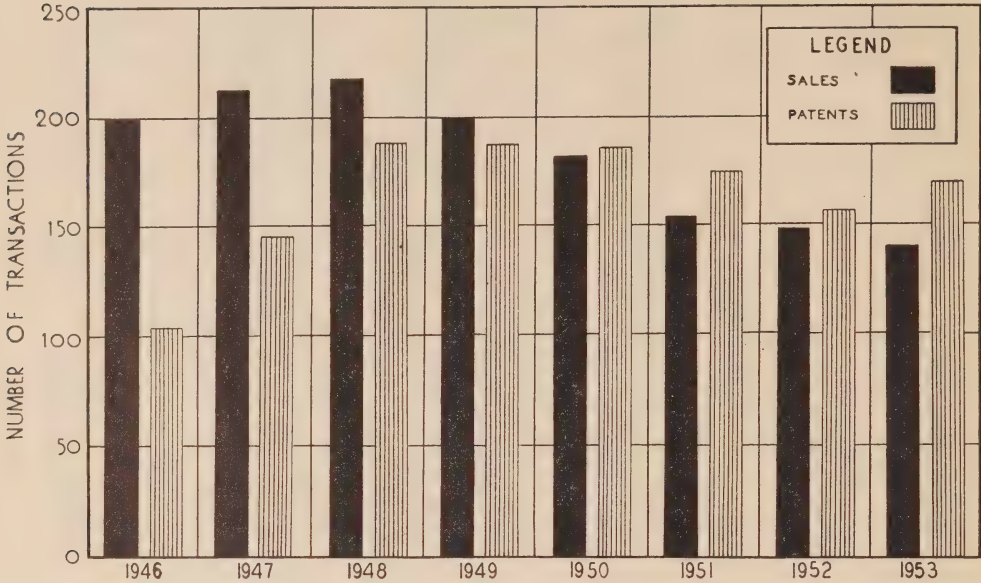
ADMINISTRATIVE DISTRICT	LOCATIONS		CANCELLATIONS		ASSIGNMENTS		PATENTS	
	NO.	ACRES	NO.	ACRES	NO.	ACRES	NO.	ACRES
Algonquin.....	1	100.00	39	3,946.29	2	150.00	12	1,341.880
Chapleau.....	—	—	—	—	—	—	—	—
Cochrane.....	4	394.00	3	233.50	—	—	2	240.28
Fort Frances.....	8	1,116.25	5	637.25	3	322.25	18	2,615.965
Geraldton.....	—	—	—	—	—	—	—	—
Gogama.....	—	—	—	—	—	—	—	—
Kapuskasing.....	—	—	1	0.17	—	—	1	150.00
Kenora.....	7	1,030.50	37	4,986.55	7	1,096.30	30	4,305.525
Lake Erie.....	—	—	—	—	—	—	—	—
Lake Huron.....	—	—	—	—	—	—	—	—
Lake Simcoe.....	1	100.00	4	485.00	—	—	—	—
North Bay.....	—	—	18	2,268.70	1	158.50	5	682.50
Parry Sound.....	—	—	33	4,053.18	2	200.00	14	1,684.66
Port Arthur.....	7	1,076.93	22	3,255.00	9	1,425.50	25	3,552.193
Quinte.....	—	—	5	382.00	1	100.00	1	100.00
Sault Ste. Marie.....	—	—	3	442.00	—	—	1	83.00
Sioux Lookout.....	—	—	—	—	—	—	—	—
Sudbury.....	4	369.00	2	237.50	—	—	8	1,115.00
Temiskaming.....	4	469.25	2	240.00	—	—	2	160.50
Trent.....	—	—	7	707.50	—	—	1	100.00
White River.....	—	—	—	—	—	—	—	—
TOTALS.....	36	4,655.93	181	21,874.64	25	3,452.55	120	16,131.503

AGRICULTURAL LANDS IN FREE GRANT TOWNSHIPS





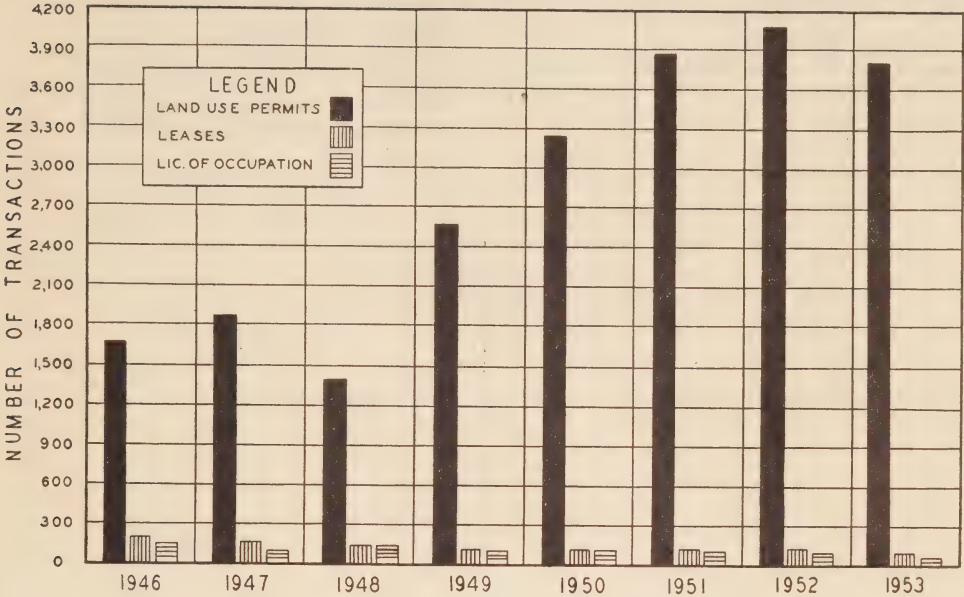
# LANDS FOR SPECIAL USE



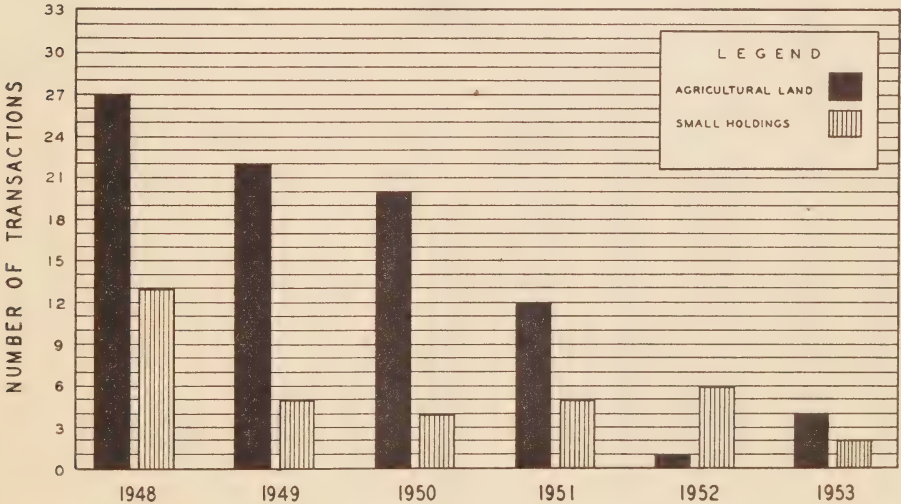
## LAND FOR SPECIAL USE THE FISCAL YEAR ENDING MARCH 31ST, 1953

ADMINISTRATIVE DISTRICT	SALES		CANCELLATIONS		ASSIGNMENTS		PATENTS	
	NO.	ACRES	NO.	ACRES	NO.	ACRES	NO.	ACRES
Algonquin	13	145.777	—	—	1	0.22	13	107.337
Chapleau	—	—	—	—	—	—	—	—
Cochrane	3	2,205.844	—	—	—	—	5	2,371.84
Fort Frances	6	167.72	1	4.96	—	—	5	7.26
Geraldton	2	30.69	1	290.50	—	—	6	236.63
Gogama	1	200.00	—	—	—	—	2	201.51
Kapuskasing	2	32.01	—	—	—	—	2	2.284
Kenora	19	178.995	1	0.50	—	—	15	174.658
Lake Erie	—	—	—	—	—	—	7	16.209
Lake Huron	1	142.00	—	—	—	—	6	358.503
Lake Simcoe	2	0.644	—	—	—	—	4	0.850
North Bay	16	329.033	2	86.61	1	2.69	17	262.143
Parry Sound	21	588.561	—	—	—	—	20	374.631
Port Arthur	9	377.86	1	122.48	—	—	8	336.14
Quinte	9	580.25	1	124.00	—	—	13	790.54
Sault Ste. Marie	3	87.01	—	—	—	—	2	14.54
Sioux Lookout	10	110.967	2	10.97	—	—	11	114.074
Sudbury	17	28.778	—	—	—	—	25	828.699
Temiskaming	2	12.99	—	—	—	—	2	163.16
Trent	3	5.737	—	—	—	—	5	355.084
White River	2	215.83	—	—	—	—	2	215.83
TOTALS	141	5,440.696	9	640.02	2	2.91	170	6,931.922

# LAND USE PERMITS, LEASES AND LICENCES OF OCCUPATION ISSUED



## TRANSACTIONS UNDER THE ONTARIO DOMINION-PROVINCIAL AGREEMENT SECTION 35 OF THE VETERANS LAND ACT



## PATENTS OFFICE (LANDS DIVISION)

## STATEMENT OF PATENTS, ETC. ISSUED DURING THE YEAR ENDING MARCH 31ST, 1953

Public Land Patents .....	1,519	Crown Leases .....	3
Free Grant Patents .....	120	Algonquin Park Leases .....	50
Patents and Transfers (Town Lots) ....	126	Rondeau Park Leases .....	34
Miscellaneous Documents .....	170	Temagami Leases .....	—
Release of Pine .....	1	Water Power Leases .....	7
		Lake Superior Provincial Park Leases ....	1
	<hr/>		<hr/>
	1,936		95
	Licences of Occupation .....	63	
	Licences of Occupation (Rondeau) .....	1	
	Licences of Occupation (Algonquin) ....	2	
	Licences of Occupation (Temagami) ....	—	
		<hr/>	
		66	
Licences of Occupation Cancelled .....	60	Crown Leases Cancelled .....	29



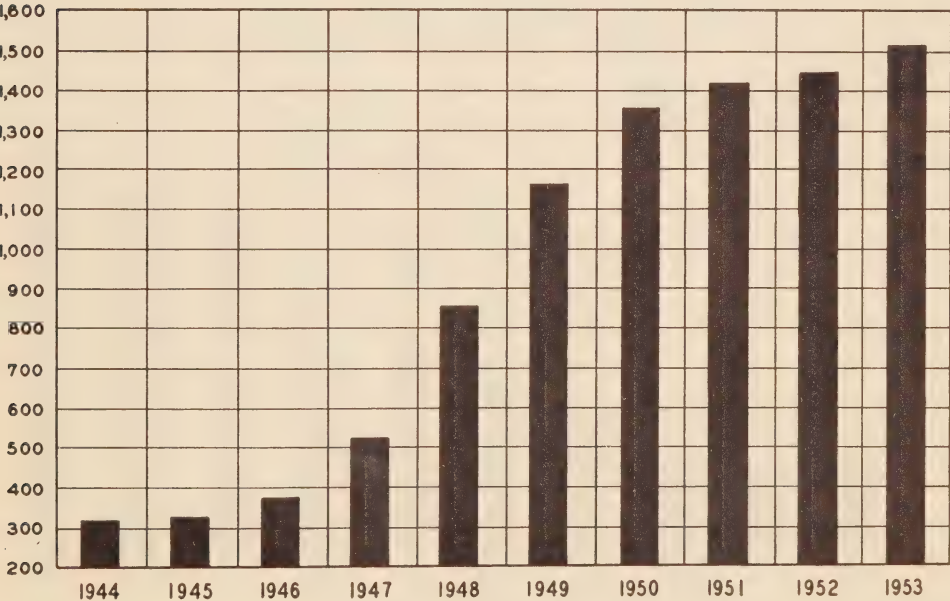


DIVISION OF OPERATION AND PERSONNEL

The following table indicates the total number of employees on the staff each month:

1952	HEAD OFFICE				FIELD				GRAND TOTAL	EXTRA FIRE FIGHTERS
	PERM.	TEMP.	CAS.	TOTAL	PERM.	TEMP.	CAS.	TOTAL		
April.....	349	90	14	453	1,112	96	1,767	2,975	3,428	186
May.....	366	83	60	509	1,143	69	2,189	3,401	3,910	1,150
June.....	367	85	74	526	1,142	70	1,801	3,013	3,539	587
July.....	368	90	74	532	1,146	67	1,787	3,000	3,532	540
August.....	358	91	79	528	1,154	72	1,697	2,923	3,451	400
September.....	345	93	61	499	1,154	73	1,667	2,894	3,393	178
October.....	350	92	8	450	1,162	76	1,473	2,711	3,161	137
November.....	355	88	9	452	1,167	75	850	2,092	2,544	146
December.....	362	77	12	451	1,169	71	725	1,965	2,416	—
January.....	354	83	8	445	1,174	69	695	1,938	2,383	—
February.....	353	83	16	452	1,182	69	682	1,933	2,385	—
March.....	351	87	18	457	1,167	71	662	1,910	2,356	—

PERMANENT EMPLOYEES  
AS OF MARCH 31<sup>ST</sup> EACH YEAR



JUNIOR FOREST RANGERS

DISTRICT	NUMBER EMPLOYED	DISTRICT	NUMBER EMPLOYED
Algonquin .....	32	Quinte .....	24
Chapleau .....	23	Sault Ste. Marie .....	31
Cochrane .....	26	Sioux Lookout .....	12
Geraldton .....	10	Sudbury .....	14
Gogama .....	21	Temiskaming .....	24
Kapuskasing .....	12	Trent .....	14
North Bay .....	22	White River .....	22
Parry Sound .....	12		
Port Arthur .....	13	TOTAL .....	312

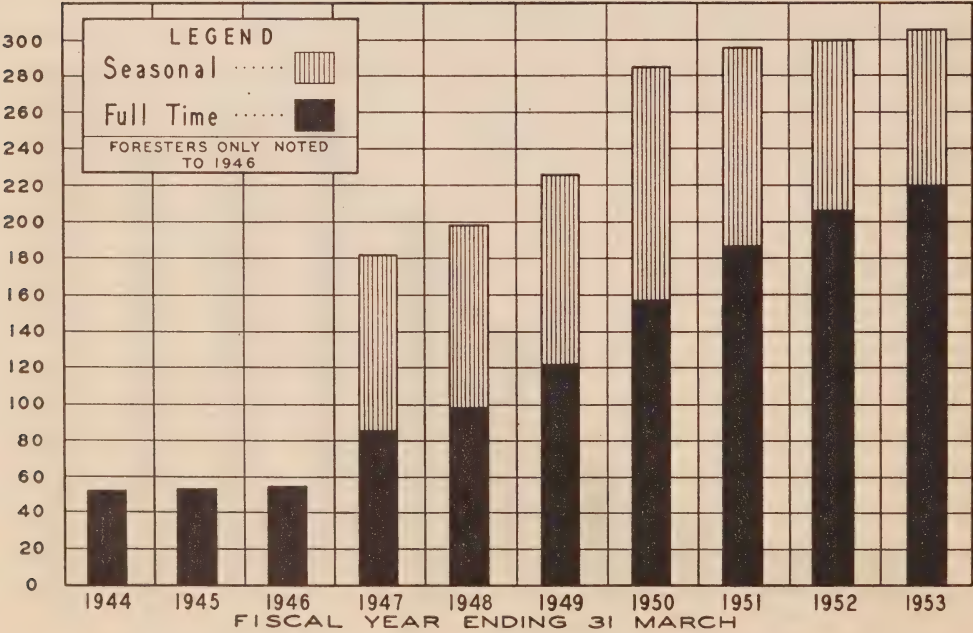
During the months of July and August 1952, Junior Rangers were distributed as shown above.

Number of Licensed Scalers on Staff .....	381
Number of Ranger School Graduates on Staff .....	293

Number of employees holding University degrees:

FORESTERS	BIOLOGISTS	CIVIL ENGINEERS	MISCELLANEOUS	TOTAL
166	33	5	16	220
VETERANS HEAD OFFICE				
Male .....	185	Female .....	4	
VETERANS IN THE FIELD				
Male .....	605	Female .....	1	
Totals .....	790		5	
VETERANS AS A % OF MALE STAFF .....				52.30

TECHNICAL PERSONNEL EMPLOYED









## ADMINISTRATIVE DIVISIONS

April 1, 1952 to March 31, 1953



PROVINCE OF ONTARIO

### Department of Lands and Forests

Hon. Welland S. Gemmell  
Minister

F. A. MacDougall  
Deputy Minister

The following table indicates the number of employees who terminated their services during the fiscal year:

	RESIGNED	DIS- MISSED	SUPER- ANNATED	RETIRED	TRANSFERRED FROM DEPT.	TOTAL
Head Office	46	1	—	1	—	51
Field	42	3	8	6	4	64
TOTALS	88	4	8	7	4	115

#### LECTURE TOURS

REGION AND DISTRICT	SCHOOL MEETINGS		PUBLIC MEETINGS		TOTAL	
	NO.	ATTENDANCE	NO.	ATTENDANCE	NO.	ATTENDANCE
<b>WESTERN</b>						
Kenosha	1	450	10	474	11	924
Fort Frances	2	48	—	—	2	48
Sioux Lookout	2	79	12	2,718	14	2,817
<b>MID-WESTERN</b>						
Fort Arthur	37	1,725	63	2,286	100	3,511
Geraldton	—	—	2	735	2	735
<b>CENTRAL</b>						
Sault Ste. Marie	79	5,617	54	4,003	133	9,680
Sudbury	86	8,797	41	2,280	127	10,677
Chapleau	18	949	37	1,352	55	3,301
Gogama	12	1,116	12	572	24	1,710
North Bay	20	2,229	60	3,790	80	6,019
White River	3	442	11	575	14	1,017
<b>NORTHERN</b>						
Kapuskasing	—	—	15	522	15	522
Cochrane	4	237	16	1,002	20	1,239
Temiskaming	4	205	24	1,778	28	2,073
<b>SOUTH-CENTRAL</b>						
Ferry Sound	82	4,836	60	3,475	142	8,411
Algonquin	13	502	123	5,168	136	5,670
<b>SOUTH-EASTERN</b>						
Rideau	43	2,217	96	7,298	139	9,515
Quinte	55	1,856	25	1,431	80	3,287
Trent	4	514	59	4,420	63	4,934
<b>SOUTH-WESTERN</b>						
Lake Simcoe	111	12,642	219	20,886	330	33,528
Lake Huron	75	3,760	145	11,474	220	15,234
Lake Erie	59	6,076	138	10,566	197	16,642
TOTALS	721	53,679	1,223	86,895	1,944	140,574

C.F.A. MEETINGS FOR THE YEAR 1952-53

Lectures ..... 303 Attendance ..... 53,342

The following table indicates the number of employees who terminated their services during the fiscal year:

	RESIGNED	DIS- MISSED	DIED	SUPER- ANNUATED	RETIRED	TRANSFERRED FROM DEPT.	TOTAL
Head Office.....	46	1	—	1	—	3	51
Field.....	42	3	8	6	4	1	64
TOTALS.....	88	4	8	7	4	4	115

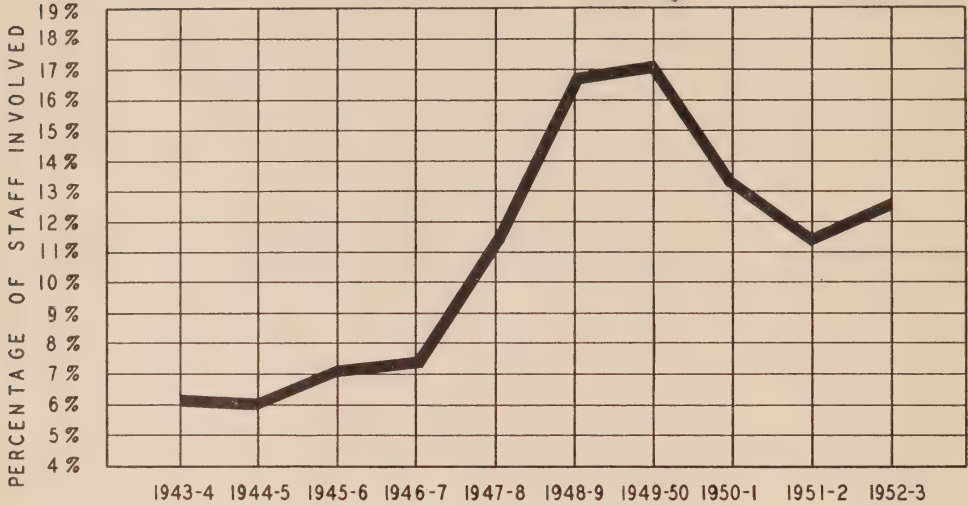
LECTURE TOURS

REGION AND DISTRICT	SCHOOL MEETINGS		PUBLIC MEETINGS		TOTAL	
	NO.	ATTENDANCE	NO.	ATTENDANCE	NO.	ATTENDANCE
WESTERN						
Kenora	1	450	10	474	11	924
Fort Frances	2	48	—	—	2	48
Sioux Lookout	2	79	12	2,738	14	2,817
MID-WESTERN						
Port Arthur	37	1,225	63	2,286	100	3,511
Geraldton	—	—	2	735	2	735
CENTRAL						
Sault Ste. Marie	79	5,617	54	4,063	133	9,680
Sudbury	86	8,397	41	2,280	127	10,677
Chapleau	18	949	37	1,352	55	2,301
Gogama	13	1,138	13	572	26	1,710
North Bay	30	2,229	60	3,790	90	6,019
White River	3	442	11	575	14	1,017
NORTHERN						
Kapuskasing	—	—	15	522	15	522
Cochrane	4	237	16	1,002	20	1,239
Temiskaming	4	295	24	1,778	28	2,073
SOUTH-CENTRAL						
Parry Sound	82	4,936	60	3,475	142	8,411
Algonquin	13	502	123	5,168	136	5,670
SOUTH-EASTERN						
Rideau	43	2,217	96	7,298	139	9,515
Quinte	55	1,956	25	1,431	80	3,387
Trent	4	514	59	4,420	63	4,934
SOUTH-WESTERN						
Lake Simcoe	111	12,612	219	20,896	330	33,508
Lake Huron	75	3,760	145	11,474	220	15,234
Lake Erie	59	6,076	138	10,566	197	16,642
TOTALS	721	53,679	1,223	86,895	1,944	140,574

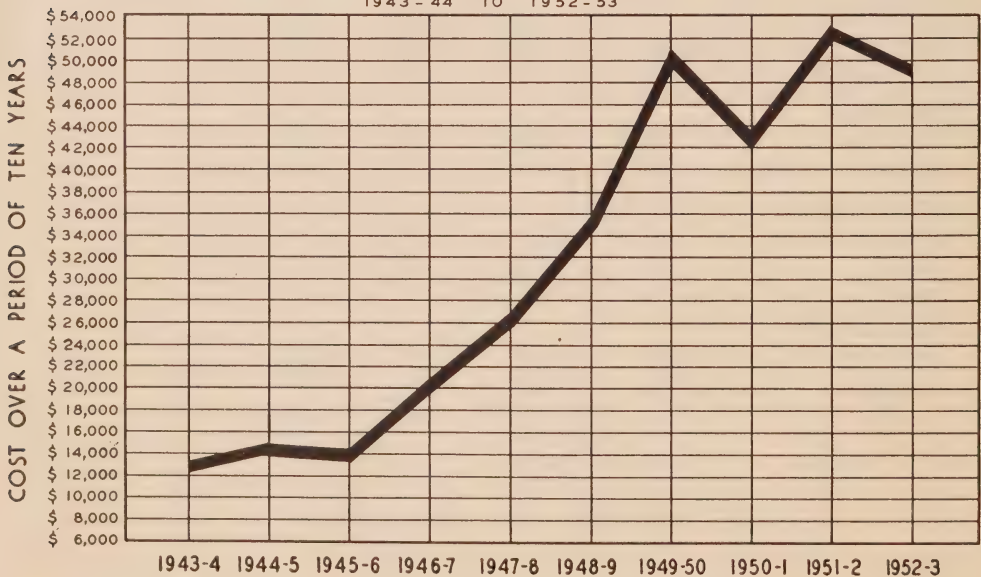
C.F.A. MEETINGS FOR THE YEAR 1952-53

Lectures ..... 303      Attendance ..... 53,142

## PERCENTAGE OF STAFF INVOLVED IN COMPENSABLE ACCIDENTS ANNUALLY OVER A PERIOD OF THE PAST TEN YEARS 1943-44 TO 1952-53



## TREND IN WORKMEN'S COMPENSATION COSTS PREPARED FROM TOTALS FOR THE PAST TEN YEARS 1943 - 44 TO 1952 - 53

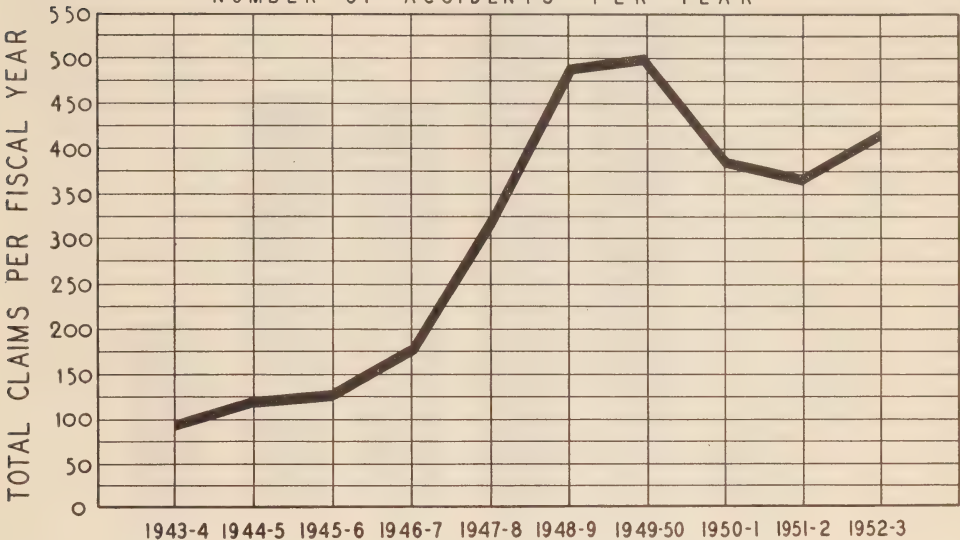




# TREND IN WORKMEN'S COMPENSATION CLAIMS

PREPARED FROM TOTAL CLAIMS FOR THE PAST TEN YEARS  
1943-44 TO 1952-53

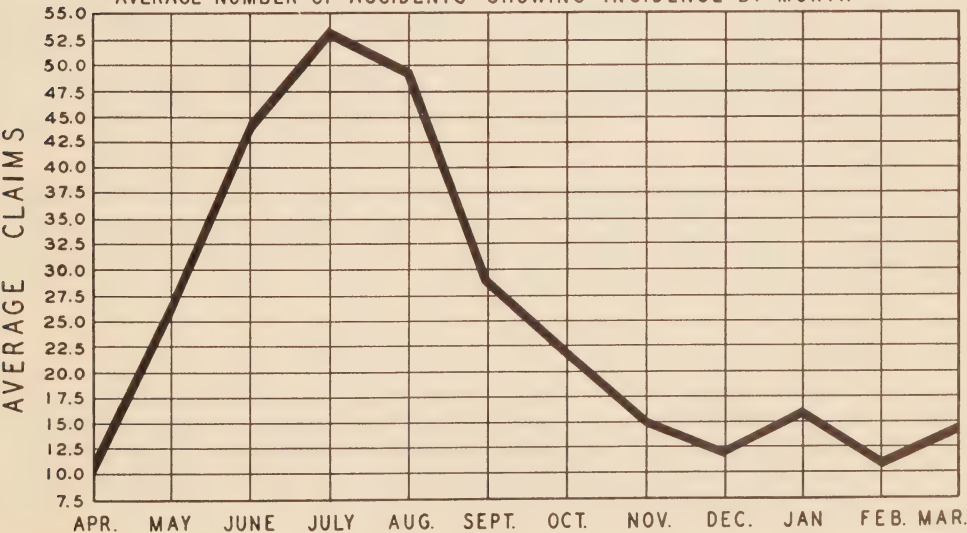
NUMBER OF ACCIDENTS PER YEAR



# TREND IN WORKMEN'S COMPENSATION CLAIMS

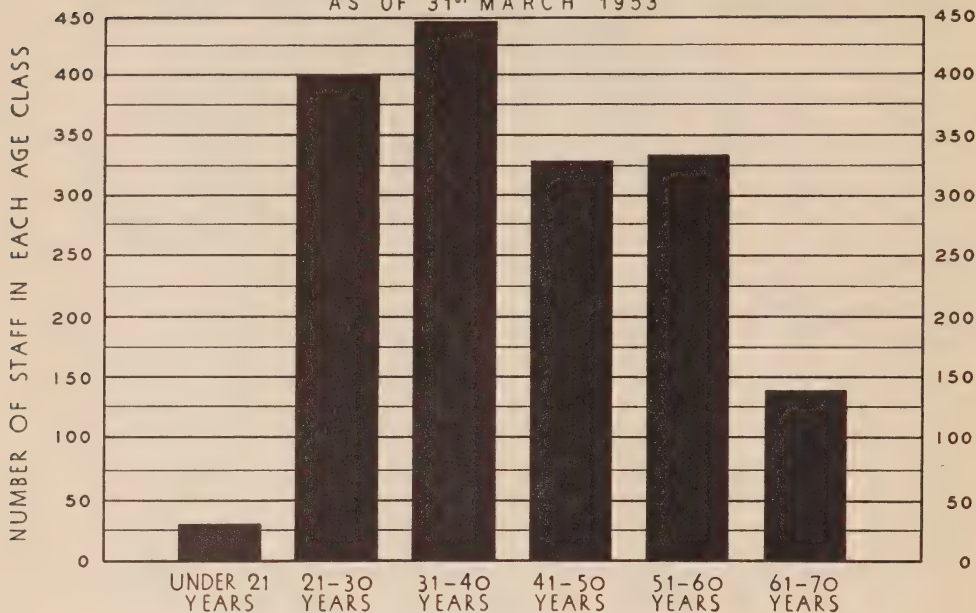
PREPARED FROM AVERAGE FIGURES FOR THE PAST TEN YEARS  
1943-44 TO 1952-53

AVERAGE NUMBER OF ACCIDENTS SHOWING INCIDENCE BY MONTH



## CHART OF AGE CLASSES

AS OF 31<sup>ST</sup> MARCH 1953



### CONSERVATION EDUCATION

During the year the following titles were added to Head Office and Field film libraries:

All Aboard	Great Lakes (How they were Formed)
Bobwhite through the Year	Leaves
Building the Fire Line	Our Soil Resources
Campaign Fire	The Beaver
Common Animals of the Woods	The Forest Grows
Don't Let It Happen	The Living Forest
(same as Then It Happened)	The Sea Lamprey
Easier Ways of Logging	Time and Terrain
Extra Forest Dollars	The Prairie Chicken in Missouri
Fighting Forest Fires with Power Pumps	Water on the Fire
Forest Conservation	Wildlife and the Human Touch
Gunning the Flyways	

Four 16 mm. sound projectors were purchased for replacement in the Field. Each District has its own projector and has access to District, Regional and Head Office film libraries. Films and projectors are used by Department personnel for public lecturing and intra-departmental training.

### CONSERVATION INFORMATION

#### CORRESPONDENCE:

Requests for information and/or publications were handled by this office at the rate of 750 routine inquiries monthly. There were also a large number of requests for information which required considerable research and/or special attention. The Section handled a multitude of telephone requests daily, and interviewed numerous callers seeking first-hand information on specific subjects.

DEPARTMENT PUBLICATIONS AND PAMPHLETS AVAILABLE INCLUDED:

ACCOUNTS:

Accounting for Logging Operations

AIR SERVICE

Wings Over the Bush

FISH AND WILDLIFE:

The Game and Fisheries Act

Extracts from The Game and Fisheries Act  
(poster)

Game Birds Need Cover on Your Farm

Alternate Lake Closures in Algonquin Park

Chapleau Crown Game Preserve

Prairie Chickens in Ontario

The Cormorant in Ontario

Wisconsin Pheasant Release (mimeo)

Care and Handling of Pheasant Chicks  
(mimeo)

Winter Feeding of Pheasants (mimeo)

Advance Report on Wildlife Conditions in  
Lambton

Report of Wildlife Survey in Durham County  
(mimeo)

FOREST PROTECTION:

Forest Fires Prevention Act and Regulations  
Yes, We Fight Forest Fires

LAND AND RECREATIONAL AREAS:

Lands for Settlement in Ontario

Summer Resort Lands in Ontario

Natural History of Algonquin Park

Algonquin Provincial Park

Parry Sound Forest District

Sudbury Forest District

Kenora Forest District

Fort Frances Forest District

North Bay Forest District

Cottage Sites on Crown Lands in Ontario

REFORESTATION:

Know Your Forest Trees

Reforestation and Woodlot Management

Planning for Tree Planting

Care and Planting of Forest Trees

Forest Trees of Ontario

Forest Tree Planting

Reforestation in Ontario

SURVEYS AND ENGINEERING:

List of Geographical Townships in Ontario

List of Water Powers in Ontario

List of Lithographed Maps and Plans

Aerial Surveys in Ontario

Ontario Surveys and the Land Surveyor

TIMBER MANAGEMENT:

Procedure to Obtain Authority to Cut  
Timber on Crown Lands

Systems of Forest Cropping

Manual of Scaling Instructions

Timber Management Manual, Part I,

Timber Estimating (Field Work)

Timber Management Manual, Part II,

Timber Estimating (Compilations)

Timber Management Manual, Part III,

Timber Estimating (Field Work)

Operations

Crown Timber Regulations

GENERAL:

Algonquin Story

Administrative Chart

Annual Report of the Minister of Lands and  
Forests

Bibliography of Canadian Biological  
Publications 1946

Law Enforcement Guide and Related  
Subjects

Definitions of Important Branches of  
Forestry

Forest Spraying and Some Effects of DDT

Glacial Pot Hole Area, Durham County

Indians of Ontario

Ontario Forest Atlas

SYLVA, the Department of Lands and Forests

Review (six issues per year by subscription)



## DIVISION OF REFORESTATION

### SUMMARY OF NURSERY STOCK FURNISHED

## (a) SPRING:

(from Apr. 1, 1952 to June 30, 1952)

	TREES
Reforestation and	
Windbreak .....	13,167,286
Semi-Public Properties .....	102,485
Municipal Properties:	
Municipal Forests ....	2,511,425
Forest Plantations ..	157,600
Roads .....	72,365
School Demonstration	
Plots .....	66,133
Conservation	
Authorities .....	698,750
Sundry .....	106,556
Provincial:	
Lands and Forests....	3,918,464
Highways .....	174,895

	TREES
Commissions .....	144,125
Limits .....	279,455
Sundry .....	70,282
Dominion Crown	
Lands .....	130,288
Extraneous .....	188,829
Totals for season .....	21,788,938

## (b) FALL:

(from July 1, 1952 to March 31, 1953)

Private .....	67,725
Crown Projects .....	2,385,091
Total for season .....	2,452,816

TOTAL FOR YEAR ..... 24,241,754

### NUMBER OF TREES FURNISHED EACH YEAR 1943 TO 1953

	TOTALS
1943 .....	10,522,917
1944 .....	10,999,379
1945 .....	11,280,981
1946 .....	13,175,575
1947 .....	12,269,533
1948 .....	13,049,776

	TOTALS
1949 .....	17,700,970
1950 .....	19,027,807
1951-52 .....	20,749,268
1952-53 .....	24,241,754
TOTALS .....	153,017,960

### TREES PLANTED ON UNALIENATED CROWN LANDS

Ashby Township .....	98,200
Aubrey Township .....	5,000
Ballantyne Township .....	450,000
Boulter Township .....	366,750
Boys Township .....	32,000
Burtch Industrial Farm .....	4,950
Burwash Ind. Farm .....	51,550
Chatsworth Trout Rearing Station .....	2,000
Dorian Fish Hatchery .....	1,000
Farquier Township .....	8,000
G. H. Ferguson Forest Station .....	50,585
Foster Township .....	7,700
French Township .....	75,000
Hallam Township .....	113,050
Head Township .....	204,500
Hele Township .....	39,000
Herschel Township .....	45,600
Hindon Township .....	7,500
Innisfil Township .....	5,400
Kirkwood Management Unit .....	360,500
Mayo Township .....	100,000
McDougall Township	
(P.S. Headquarters) .....	2,425

McKay Forest .....	7,400
McLean Township .....	9,000
Merritt Township .....	161,850
Methuen Township .....	73,100
Midhurst Forest Station Forest .....	25,300
Mowat Township .....	6,000
Murchison Township .....	120,000
Mutrie Township .....	22,000
Nairn Township .....	169,150
Paipoonge Township .....	4,950
Panet Township .....	5,300
Papineau Township .....	75,000
Parkinson Township .....	550,000
Parr Township (Allen Island) .....	40,000
Peck Township .....	8,000
Pedley Township .....	255,500
Petawawa Fish Hatchery .....	10,800
Ramsay Township .....	2,000
Redditt Township .....	28,900
Ridout Township .....	7,500
Rondeau Park Forest .....	500
Sabine Township .....	100,000
Salter Township .....	23,800

Sand Banks Forest .....	22,000	Zealand Township—N $\frac{1}{2}$ H.W. 22 ..	6,000
Severn Management Unit .....	45,000	4E—Township .....	500,000
Shakespeare Unit .....	6,800	30—Township (Jamestown—	
Sheraton Township .....	26,500	Headquarters) .....	250
St. Williams Forest Station .....	45,125	59—Township (Franz	
Temple Township .....	26,900	Headquarters) .....	500
Unsurveyed (North of		67—Township (White River	
Township 73) .....	8,000	Headquarters) .....	1,550
Unsurveyed (Kabitalikia Lake) .....	400		
Willingdon Township—EB-41 .....	22,500	TOTAL .....	4,448,285

## TREES PLANTED IN MUNICIPAL FORESTS

COUNTY		COUNTY	
Bruce .....	91,000	Stormont, Dundas and Glengarry ..	143,000
Dufferin .....	18,000	Victoria .....	165,500
Grey .....	384,400	Waterloo .....	10,000
Halton .....	33,000	York .....	71,600
Huron .....	113,200		3,002,700
Leeds and Grenville .....	282,000	TOWNSHIP	
Lennox and Addington .....	37,725	Bonfield .....	11,500
Northumberland and Durham .....	287,875	Cumberland .....	33,700
Ontario .....	41,000		45,200
Prescott and Russell .....	1,067,875		
Renfrew .....	62,800	TOTAL .....	3,047,900
Simcoe .....	193,725		

## TREES PLANTED IN CONSERVATION AUTHORITY FORESTS

Ausable Forest .....	12,000	Moira Forest .....	41,500
Ganaraska Forest .....	321,500	Saugeen Forest .....	221,100
Grand Valley Forest .....	99,400	Thames Forest .....	258,900
Humber Forest .....	91,000	TOTAL .....	1,045,400

## COUNTY FORESTS

MARCH 31, 1953

	ACRES		ACRES
Brant .....	50.00	Oxford .....	850.00
Bruce .....	13,628.75	Prescott and Russell .....	19,066.91
Dufferin .....	1,942.00	Renfrew .....	221.00
Grey .....	5,439.08	Simcoe .....	11,637.55
Halton .....	742.33	Stormont, Dundas and Glengarry ..	1,142.00
Huron .....	1,337.00	Victoria .....	7,045.00
Lanark .....	2,000.00	Waterloo .....	583.00
Leeds and Grenville .....	4,221.00	Wentworth .....	810.00
Lennox and Addington .....	498.00	York .....	3,325.99
Northumberland and Durham .....	4,600.00		
Ontario .....	1,453.00	TOTAL .....	80,592.61

## CONSERVATION AUTHORITIES

MARCH 31, 1953

	ACRES		ACRES
Ausable .....	634.00	Moira .....	1,234.00
Ganaraska .....	6,246.00	Saugeen .....	735.00
Grand Valley .....	422.00	Upper Thames .....	2,509.75
Humber Valley .....	490.00	TOTAL .....	12,270.75

## TOWNSHIP FORESTS

MARCH 31, 1953

	ACRES		ACRES
Bonfield .....	60.00	Galway .....	100.00
Cumberland .....	813.44	TOTAL .....	973.44

## DIVISION OF RESEARCH

### SILVICULTURAL RESEARCH

PROJECT	LOCATION	TYPE OF STUDY
Thinnings .....	Petawawa Management Unit	Five different experimental treatments on white pine
Regeneration .....	Petawawa Management Unit	Four different regeneration cutting treatments on white pine
Site research .....	Petawawa Management Unit	Establishment and mapping of major land types
Release cuttings .....	Petawawa Management Unit	Freeing young white pine from hardwood suppression
Ecoclimatic research .....	Petawawa Management Unit	Accumulation of weather data on important sites
Direct seeding .....	Petawawa Management Unit	Direct seed experiment on white and black spruce, white, red and jack pine
Blister rust survey .....	Petawawa Management Unit	Past and present incidence of white pine blister rust
Plant collection .....	Petawawa Management Unit	Collection of flora, fungi, wood samples for future reference
Growth .....	Petawawa Management Unit	Effect of crown competition on radial growth of pine stems
Volume tables .....	Petawawa Management Unit	Data for construction of local volume tables for various species
Site and radial growth .....	Petawawa Management Unit	Correlation between initial radial growth rate and specific sites
Reproduction cutting .....	Petawawa Management Unit	To increase white pine reproduction in pine-hardwood mixtures
Regional site research .....	Muskoka, Parry Sound, Pembroke	Examination of local areas
Waxing transplants .....	Southern Research Station	To reduce water loss after planting
Tree spacing .....	East Gwillimbury	Study of growth rates at various planting spacings
Sampling seedling beds .....	Midhurst	Preliminary test of nursery seed bed inventory
Planting .....	South Western Region	On areas of inferior growth, eroded clay, shallow soil, swamp
Hardwood cuttings .....	South Western Region	Effects of cutting on reproduction and growth
Yellow birch studies .....	Swan Lake, S. Cent. Region	Silvical characteristics of commercial species
Cutting experiments .....	Northern Region	Comparison of regeneration of spruce following various cuttings
Aspen thinnings .....	Northern Region	Effect of thinning on growth and quality
Cutting methods .....	Mid-Western Region	Examination of cuttings, white spruce regeneration in mixed cover type



PROJECT	LOCATION	TYPE OF STUDY
Seeding .....	Mid-Western Region	Mechanical seeder tests; planting depth, seed bed, germination
Planting .....	Mid-Western Region	Hybrid poplar, exotics, under-plantings
Stocking .....	Mid-Western Region	Relation of main stand prior to cutting and regeneration following cutting
Tree breed—white pine .....	Southern Research Station	Testing, evaluation and propagation of promising materials
Tree breed—poplar .....	Southern Research Station	Hybridization of native and exotic aspens with silver poplars
Tree breed—arboratum .....	Southern Research Station	Collection of breeding materials
Seed treatment .....	Southern Research Station	To reduce losses by disease, etc., and to facilitate mechanical seeding
Seeding habit .....	S. Ont., Cent. N. Ont.	To attain maximum annual seed production

## FISHERIES RESEARCH

PROJECT	LOCATION	TYPE OF STUDY
Netting, catch examination	South Bay	Ratio of game, commercial, waste; ages, sexes, weights, lengths
Utilization of fish .....	South Bay	Coarse fish removal, development of market demand; processing
Fish marking .....	South Bay	Estimation of natural and fisheries mortality; whitefish migrations
Fish planting .....	South Bay	Planting survival of small-mouth bass and lake trout yearlings
Creel census .....	South Bay	Sports fishery catches, lake trout, small-mouth bass, northern pike
Lamprey survey .....	Georgian Bay, Manitoulin	Lamprey distribution and movements; lamprey scar counts
Utilization of nutrients .....	Algonquin Park	Incoming nutrients; chemical analyses of waters; flow measurements
Lake fertilization .....	Algonquin Park	Effects on oxygen, plankton, bottom fauna, fish populations, growth
Liming .....	Algonquin Park	Light penetration; liming tributaries, water analysis and flow; population
Creel census .....	Algonquin Park	Angling quality; species, number, size, ease of capture; stocking
Lake trout .....	Algonquin Park	Habits, food, movements, spawning; winter fishing, catch, size, age
Speckled trout .....	Algonquin Park	Spawning habits, artificial spawning beds; growth, age determination

**WILDLIFE RESEARCH**

PROJECT	LOCATION	TYPE OF STUDY
Birds of the forest .....	Algonquin Park	Population density, composition, general ecology
Bird-banding .....	Algonquin Park	Migration, longevity
Woodcock .....	Lake Simcoe, Alg. Pk.	Migration, range, live-trapping techniques
Small mammals .....	Algonquin Park	Fluctuations in population, general biology
Small mammal repellents .....	Alg. Pk.; S. Res. Sta.	Tree seed protection, searching mechanisms, repellent substances
Beaver .....	Algonquin Park	Habitat capacity, age composition, movements, general biology
Marten .....	Algonquin Park	Live-trapping techniques, population density, movements
Marten and Fisher .....	Southern Research Sta.	Reproductive cycles from study of ovaries and reproductive tracts
White-tailed deer .....	L. Erie; Pt. Arthur; Soo	Effects on vegetation, winter range conditions, predation, history
Habitat improvement .....	Southern Ontario	Suitable plants to improve habitat
Moose .....	S. Lookout; Kenora; Pt. Arthur	Age determination from teeth, aerial censusing, sex-ratios
Food habits .....	Southern Research Sta.	Stomach and intestine content analysis, hair identification
Wildlife pathology .....	Southern Research Sta.	Autopsy, examination for infections

**MECHANICAL RESEARCH**

PROJECT	LOCATION	TYPE OF STUDY
Tree planter .....	Southern Research Station	To develop an all-purpose heavy duty tree planter
Spot tree planter .....	Southern Research Station	Power driven scalping machine, for planting on difficult terrain
Fibre glass boat .....	Southern Research Station	Special type of boat for fisheries research and other Dept. use
Hose folder .....	N. Bay Dist. and S. Res. Station	To increase ease and speed of laying hose on fire line
Tree girdling saw .....	Southern Research Station	For Sault Ste. Marie District. Modified 1 in. mortising chain
Smelt freezing trays .....	Southern Research Station	For South Baymouth Lab. Series of trays layered with salt and ice
Pack tractor .....	Southern Research Station	Completed. Six machines produced commercially
Brohm seeder .....	Southern Research Station	Completed. Ready for commercial production
Easifil pack pump .....	Southern Research Station	Completed. Six pumps supplied regions for field tests
Water bombing .....	Southern Research Station	Production of suitable water container for fire bombing
Cargo dropping .....	Southern Research Station	Production of an improved parachute for dropping supplies to fires

STATISTICAL DESIGN AND ANALYSIS

PROJECT	LOCATION	TYPE OF STUDY
Deer age .....	Queen's Park	Formula for deer age estimation of hunters' kills
Fish catch study .....	Queen's Park	To check accuracy of reporting; trends
Planting methods .....	Queen's Park	Analysis of data on ground surfaces, cover, and planting depths
Damping-off .....	Orono	Treatments of peat, sand, vermiculite on red pine seedlings

CO-OPERATIVE RESEARCH PROJECTS WITH  
CANADA DEPT. OF AGRICULTURE ON FOREST INSECTS AND DISEASES

PROJECT	LOCATION	TYPE OF STUDY
Red pine seed .....	Angus	Control methods. Insects affecting seed production
Spruce budworm .....	North Western Ontario	Natural control studies
Forest tent caterpillar .....	Throughout Province	Influence of parasites and diseases on outbreaks
Insect ecology .....	North Western Ontario	Behaviour and physical ecology
Recovery from budworm .....	Various areas	Regeneration studies in spruce-budworm-killed forests
Bark beetles and borers .....	Various areas	Investigation of immature forms of bark beetle and wood borers
White Pine blister rust .....	Haliburton, Parry Sound	Reconnaissances on incidence and intensity in specific pineries
Damping-off .....	Orono	Effect of soil treatments on red pine seedling mortality
Birch disease .....	Various areas	Assessment of pathological condition of yellow and white birch
Atmospheric pollution .....	Sudbury	Assessment of alleged forest damage from sulphur fumes
White Pine needle blight .....	Various areas	Observation for disease symptoms. Environmental factors
Decay and deterioration .....	Mississagi area	Studies of occurrence and extent of decay; fire-killed timber
Forest disease survey .....	Across Province	Assessment of disease conditions in forest area of Province



DIVISION OF SURVEYS AND ENGINEERING

MAP DISTRIBUTION

NATIONAL TOPOGRAPHIC SERIES

Four new map sheets were available for distribution this year, as follows:

NAME	LATITUDE	LONGITUDE
Jellicoe.....	49° 30' - 50° 00'	87° 00' - 88° 00'
Steel Lake.....	49° 00' - 49° 30'	86° 00' - 87° 00'
New Liskeard.....	47° 30' - 48° 00'	79° 30' - 80° 00'
Haileybury.....	47° 00' - 47° 30'	79° 30' - 80° 00'

The following four sheets of this series were received in proof form only:

NAME	LATITUDE	LONGITUDE
Longlac.....	49° 30' - 50° 00'	86° 00' - 87° 00'
Roslyn Lake.....	49° 00' - 49° 30'	87° 00' - 88° 00'
Kapuskasing.....	49° 00' - 49° 30'	82° 00' - 83° 00'
Tomiko.....	46° 30' - 47° 00'	79° 00' - 80° 00'

WHITE PRINTING AND TRANSPARENT LINEN REPRODUCTIONS

127,560 square feet of sensitized paper and linen were consumed in reproducing various maps and plans, by the dry process method. This required 58 gallons of Ammonia.

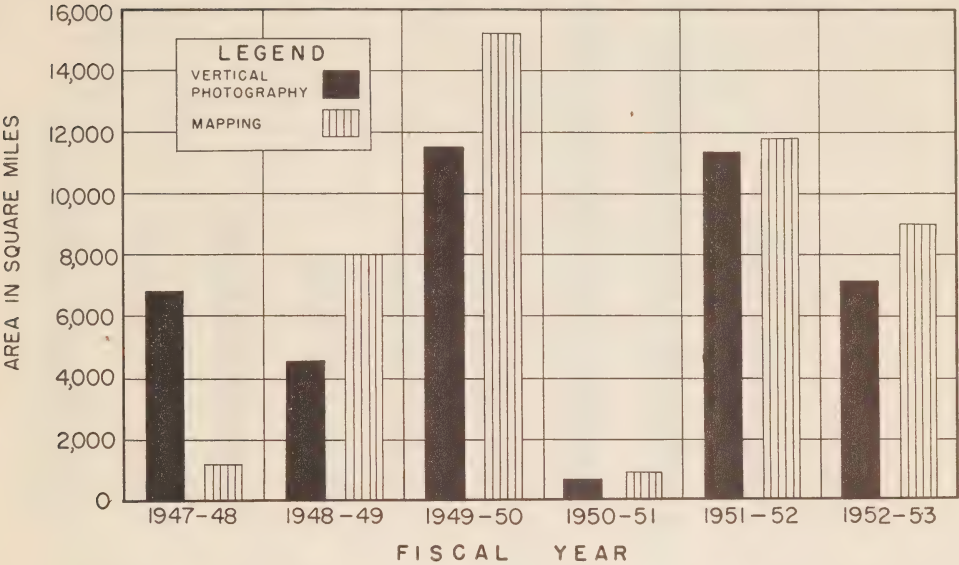
The Total Figure is Broken Down as follows:

Black and blue line paper .....	125,175 square feet
Transparent Linen .....	1,095 square feet
Opaque Linen .....	1,290 square feet

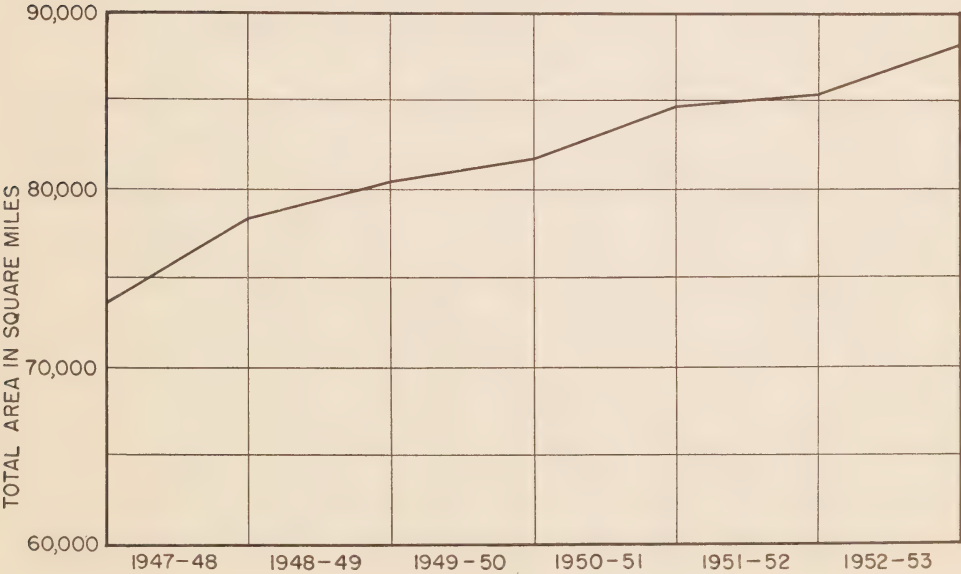
TOTAL ..... 127,560 square feet

ADMINISTRATIVE DISTRICT	NUMBER OF SUMMER RESORT LOCATIONS SURVEYED	ADMINISTRATIVE DISTRICT	NUMBER OF SUMMER RESORT LOCATIONS SURVEYED
Algonquin .....	53	Parry Sound .....	101
Chapleau .....	5	Port Arthur .....	63
Cochrane .....	56	Quinte .....	76
Fort Frances .....	26	Rideau .....	1
Geraldton .....	41	Sault Ste. Marie .....	92
Gogama .....	2	Sioux Lookout .....	48
Kapuskasing .....	1	Sudbury .....	168
Kenora .....	150	Timiskaming .....	21
Lake Simcoe .....	182	Trent .....	230
Lake Huron .....	11	White River .....	14
Lake Erie .....	5		
North Bay .....	112	TOTAL .....	1,458

# AIR SURVEY FOR FOREST RESOURCES INVENTORY

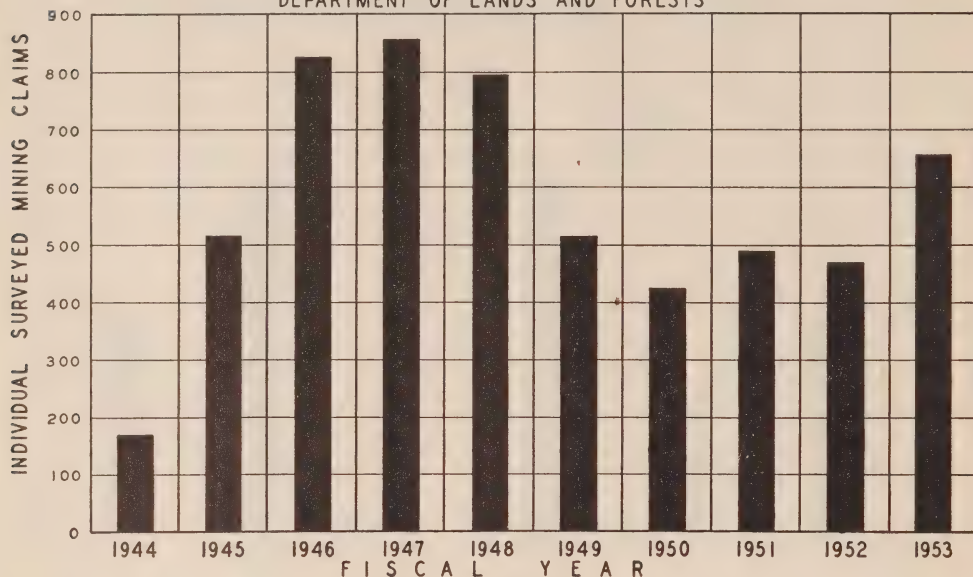


## VERTICAL PHOTOGRAPHY OTHER THAN FOREST RESOURCES INVENTORY



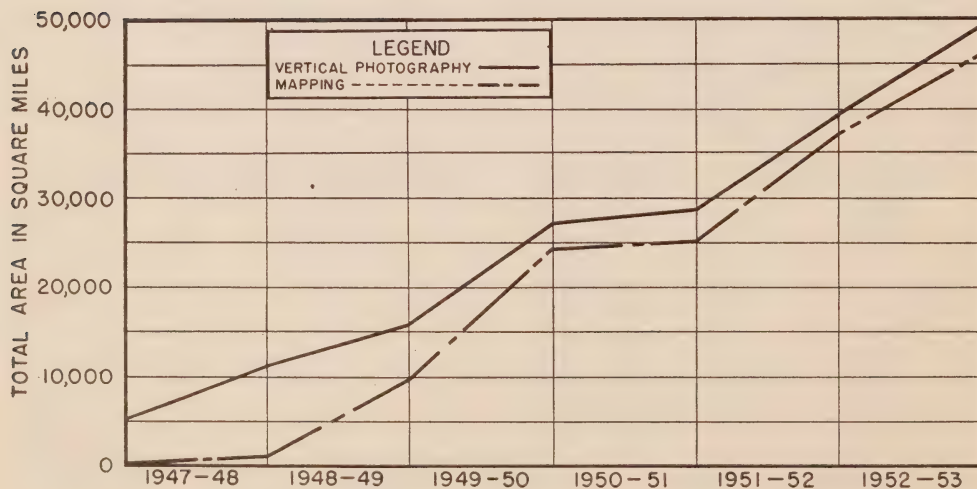
# SURVEYED MINING CLAIMS ON CROWN LAND

EXAMINED BY THE DIVISION OF SURVEYS AND ENGINEERING  
DEPARTMENT OF LANDS AND FORESTS



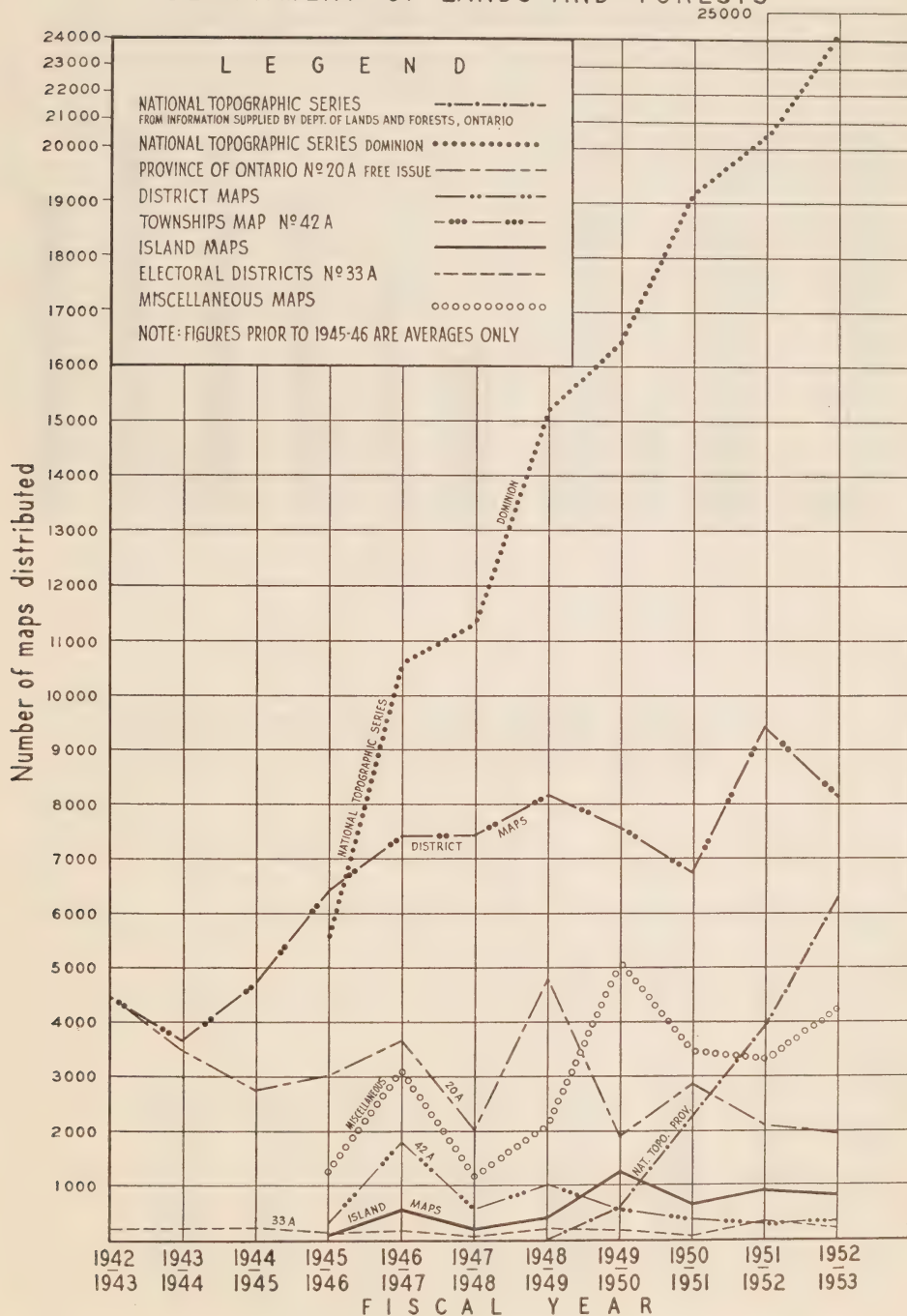
## PROGRESS CHART

VERTICAL PHOTOGRAPHY AND MAPPING



## TREND OF MAP DISTRIBUTION

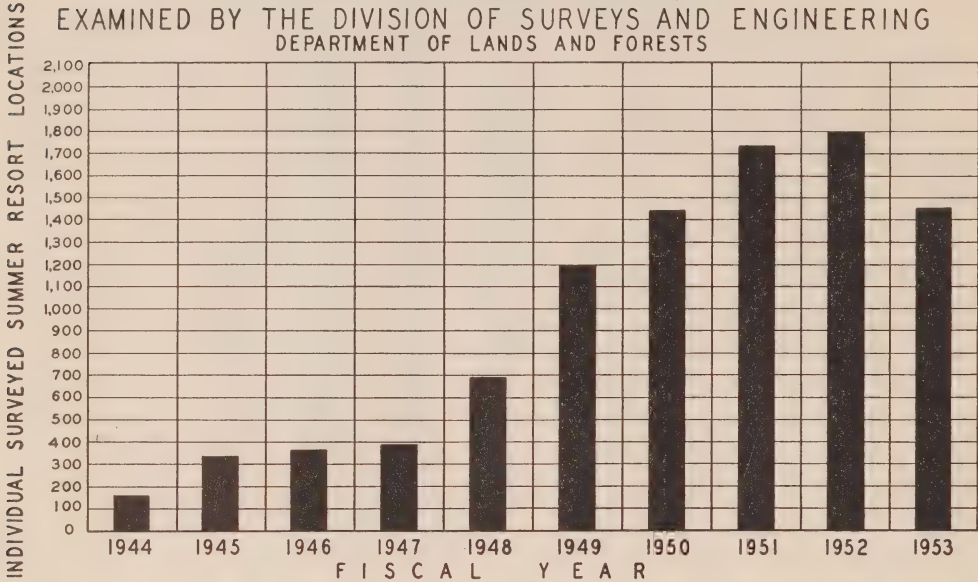
DEPARTMENT OF LANDS AND FORESTS



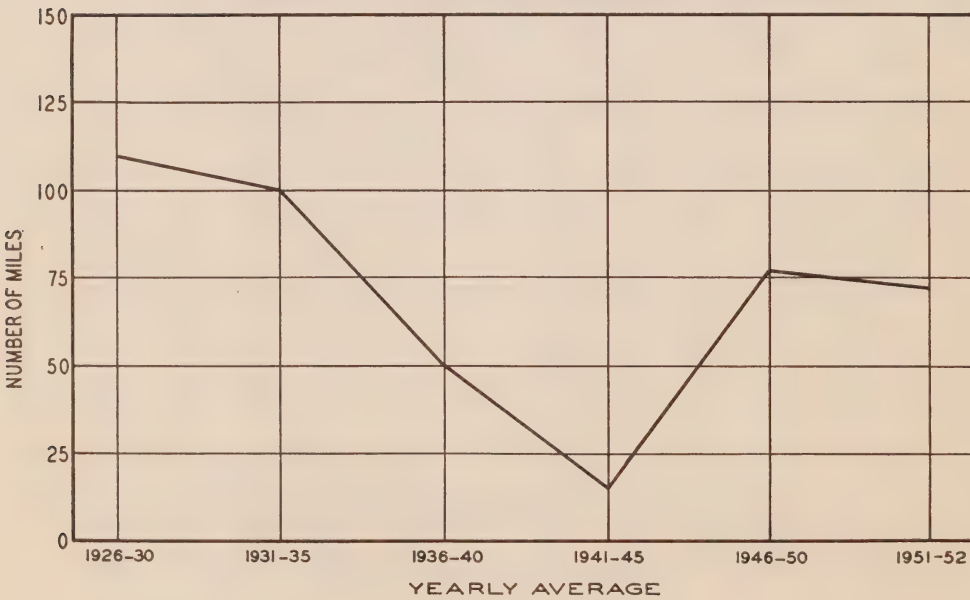


# SURVEYED SUMMER RESORT LOCATIONS ON CROWN LAND

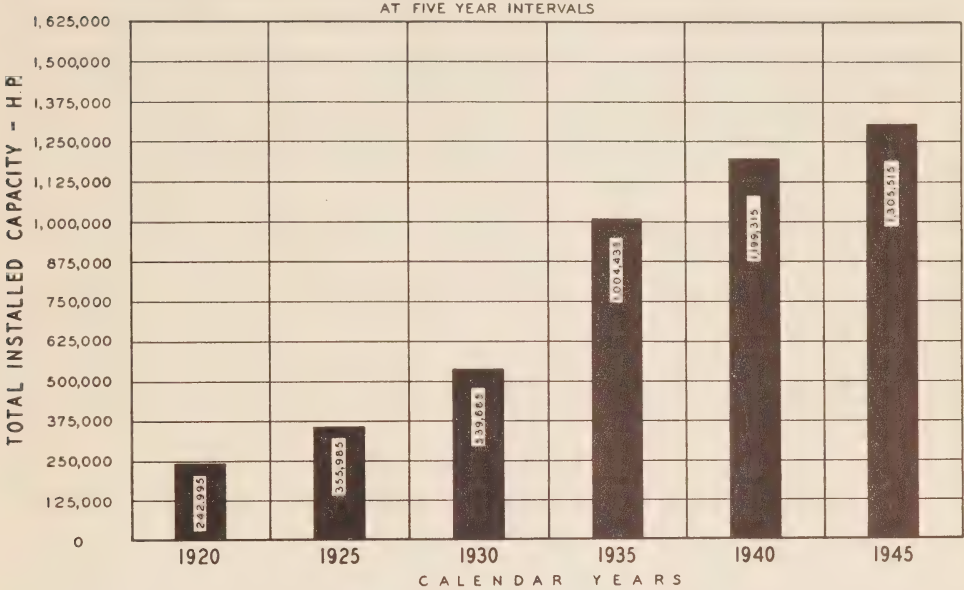
EXAMINED BY THE DIVISION OF SURVEYS AND ENGINEERING  
DEPARTMENT OF LANDS AND FORESTS



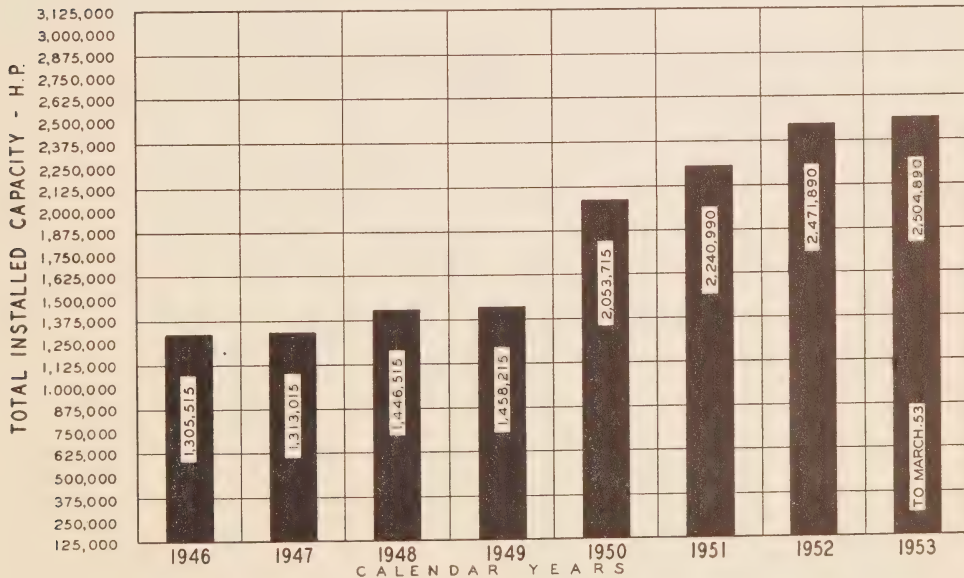
## TREND OF RETRACEMENT SURVEYS



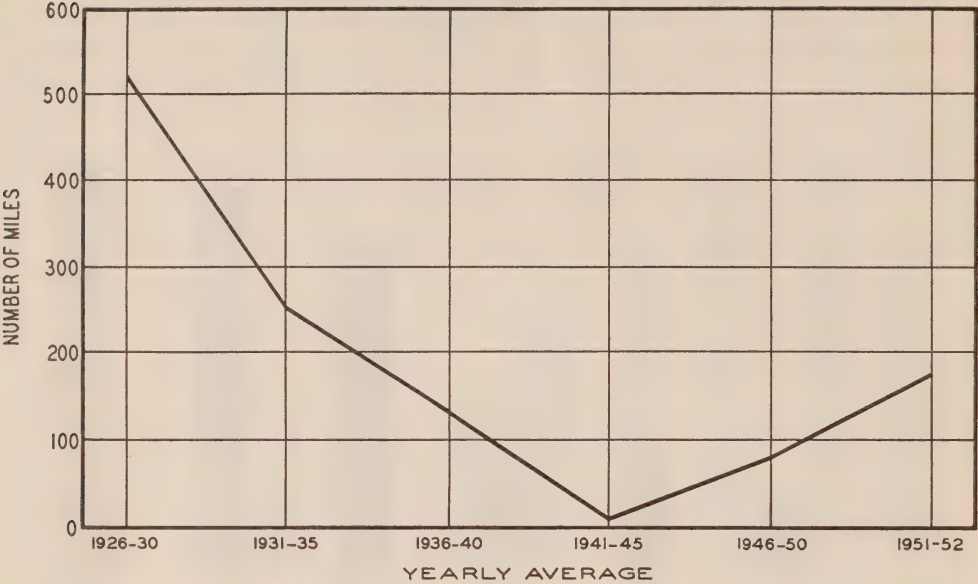
# INSTALLED CAPACITY IN HORSE-POWER OF ALL PLANTS UNDER CROWN LEASE FOR YEARS 1920 -1945



# INSTALLED CAPACITY IN HORSE-POWER OF ALL PLANTS UNDER CROWN LEASE FOR YEARS 1946 -1953



# TREND OF BASE AND MERIDIAN LINE SURVEYS



DIVISION OF TIMBER MANAGEMENT

TIMBER SALES 1952-53

	NO.	AREA (SQ. MILES)
Licences and Renewals Issued 1952-53 .....	758	10,441.50
Licences, in Suspense .....	35	361.00
TOTAL .....	793	10,802.50

AREA UNDER PULPWOOD AND TIMBER AGREEMENT

FISCAL YEAR	SQ. MILES	FISCAL YEAR	SQ. MILES
1943-44 .....	56,690.60	1948-49 .....	66,980.75
1944-45 .....	59,353.00	1949-50 .....	69,860.75
1945-46 .....	53,754.00	1950-51 .....	80,460.75
1946-47 .....	56,745.00	1951-52 .....	83,316.00
1947-48 .....	66,254.50	1952-53 .....	87,007.00

AMOUNTS OF TIMBER CUT  
FOR YEAR ENDING MARCH 31ST, 1952

SPECIES	PIECES	FEET	CORDS	CUBIC FEET
Red and White Pine .....	2,198,875	141,948,014	—	32,648,040
Jack Pine .....	4,690,595	66,813,350	756,117.76	101,791,163
Spruce .....	1,523,212	30,315,317	2,631,669.54	248,127,390
Balsam .....	58,906	748,981	171,335.20	15,813,393
Hemlock .....	505,059	22,609,692	—	5,923,820
Birch .....	455,411	36,991,234	—	7,805,101
Maple .....	241,478	14,835,732	—	3,590,312
Other Hardwood .....	117,324	4,735,076	—	1,332,591
Poplar .....	556,550	12,709,126	189,429.94	21,865,406
Cedar .....	11,748	198,338	—	87,516
Tamarac .....	1,046	30,446	—	9,960
	10,360,204	331,935,306	3,748,552.44	438,994,692

SPECIES	PIECES	LINEAL FEET	CORDS	CUBIC FEET
Mixed Logs .....	1,417,693	—	—	12,235,393
Stavewood .....	—	—	—	111,990
Piling .....	22,023	—	—	330,345
Piling .....	48,544	709,713	—	—
Piling .....	638	—	—	10,687
Ties .....	166,064	—	—	785,138
Ties .....	13,521	—	—	40,563
Poles .....	180,734	—	—	2,476,123
Poles .....	2,492	—	—	24,920
Posts .....	2,301	—	—	1,433
Posts .....	77,092	—	—	115,638
Fuelwood .....	—	—	68,968.64	6,207,177
Lagging .....	—	135,539	—	—
Car Stakes .....	6,594	—	—	—
			68,968.64	22,339,407



TIMBER SALES FROM APRIL 1ST, 1952, TO MARCH 31ST, 1953

DATE OFFERED	DATE SOLD	LOCALITY	AREA SQUARE MILES	NO. OF TEN- DERS	TO WHOM SOLD	KIND OF TIMBER	PRICES PAID			UPSET	DUES	TOTAL (PER UNIT VOLUME)	FILE
							BID	\$	\$				
1952 June 19	1952 July 15	Parts of Kidd, Carnegie, Wark & Prosser Twps.	6¾	1	McIntyre Porcupine Mines Ltd., Schumacher, Ont.	Spruce Logs Balsam Logs Poplar Logs Spruce Pulpwood Balsam Pulpwood Poplar Pulpwood	1.00 — — — — —	3.00 2.00 .50 .20 .85 .10	4.00 4.00 3.00 2.80 1.40 1.00	8.00 M.B.M. 6.00 M.B.M. 3.50 M.B.M. 3.00 cord 2.25 cord 1.10 cord	144961		
June 23	July 16	Area bordering the West shore of Basket Lake, designated as T.B.M. 55, Kenora District	18	2	Dryden Paper Co. Ltd., Dryden, Ont.	R. & W. Pine Logs Spruce Logs Jackpine Logs Spruce Pulpwood Balsam Pulpwood Jackpine Pulpwood Poplar Pulpwood	4.00 5.00 5.00 .50 .50 .40 —	4.75 3.00 2.50 .40 .30 .50 .10	5.00 4.00 4.00 2.80 1.40 1.40 1.00	13.75 M.B.M. 12.00 M.B.M. 11.50 M.B.M. 3.70 cord 2.20 cord 2.30 cord 1.10 cord	26303		
June 25	July 16	Cardiff Twp.	½	1	Messrs. Percy Bonham and Wm. Young, Tory Hill, Ont.	Balsam Logs Maple Logs Elm Logs Cedar Logs Yellow Birch Logs Basswood Logs Spruce Logs Poplar Logs White Birch Logs Beech Logs Hemlock Logs	2.00 8.00 2.00 4.00 7.00 12.00 4.00 3.00 4.00 4.00 4.00	2.00 3.00 3.00 3.00 3.00 3.00 2.00 2.00 3.00 3.00 3.00	4.00 5.00 5.00 3.00 5.00 5.00 4.00 3.00 3.00 3.00 3.00	8.00 M.B.M. 16.00 M.B.M. 10.00 M.B.M. 10.00 M.B.M. 15.00 M.B.M. 20.00 M.B.M. 10.00 M.B.M. 8.00 M.B.M. 10.00 M.B.M. 10.00 M.B.M. 10.00 M.B.M.	18289 Vol. 4		
July 2	July 29	Lot 8, Con. 1, Umbach Twp.	¼	1	Frank Twinn, R.R. No. 1, Kenora, Ont.	Jackpine Pulpwood Spruce Pulpwood	.05 .35	.60 .70	1.40 2.80	2.05 cord 3.85 cord	56542		
					Jackpine Logs Spruce Logs	— —	— —	.04 .04	.04 cu. ft. .04 cu. ft.				



DATE OFFERED	DATE SOLD	LOCALITY	AREA SQUARE MILES	NO. OF TEN- DERS	TO WHOM SOLD	PRICES PAID				TOTAL (PER UNIT VOLUME)	FILE
						KIND OF TIMBER	BID	UPSET	DUES		
1952							\$	\$	\$	\$	
Sept. 2	Sept. 24	Sheraton Twp.	1/4	2	Chaput's Wood Yard, 160 Windsor Ave., Timmins, Ont.	Spruce Logs Spruce Pulpwood Jackpine Logs Jackpine Pulpwood Balsam Pulpwood	6.00 1.25 5.00 1.75 2.00	3.00 .20 3.00 .85 .85	4.00 2.80 4.00 1.40 1.40	13.00 M.B.M. 4.25 cord 12.00 M.B.M. 4.00 cord 4.25 cord	127963
Sept. 22	Sept. 24	Burpee Twp.	1	2	Wah-Wash- Kesh Lodge, Ardbeg, Ont.	Birch Logs Hemlock Logs Poker Timber	15.00 2.00 1.50	10.00 2.00 .50	5.00 3.00 1.00	30.00 M.B.M. 7.00 M.B.M. 3.00 cord	25779
Sept. 2	Sept. 25	Galbraith Twp.	1/2	2	John W. Murray, Leeburn, Ont.	Y. Birch Logs Maple Logs Hemlock Logs Spruce Logs	21.00 5.00 1.00 2.00	10.00 5.00 2.00 3.00	5.00 5.00 3.00 4.00	36.00 M.B.M. 15.00 M.B.M. 6.00 M.B.M. 9.00 M.B.M.	110827
Sept. 9	Sept. 29	Hawkins Twp.	2 3/4	1	Messrs. G. W. W. Hennessey, R. A. Watson & J. R. Turk, c/o J. R. Turk, P.O. Box 346, Hearst, Ont.	Spruce Pulpwood Balsam Pulpwood Poplar Pulpwood	.01 .01 —	.15 1.55 .35	2.80 1.40 1.00	2.96 cord 2.96 cord 1.35 cord	1421
Sept. 9	Oct. 7	McGarry Twp.	2 1/4	4	Arthur Brisebois, Swastika, Ont.	Jackpine Logs Jackpine Pulpwood Spruce Pulpwood Balsam Pulpwood Poplar Pulpwood Larch Pulpwood Birch Fuelwood Cedar Posts	2.65 .75 .75 .75 .65 .65 .65 .27	2.35 .60 .20 .60 .10 .10 .10 .06	4.00 1.40 2.80 1.40 1.00 1.00 1.00 .02	9.00 M.B.M. 2.75 cord 3.75 cord 2.75 cord 1.75 cord 1.75 cord 1.75 cord .35 each	39358
Sept. 18	Oct. 9	Ferrie Twp.	2 1/2	8	Bert Taylor, Box 1012, Valley Farm, Parry Sound, Ont.	Y. Birch Logs Basswood Logs Spruce Logs Maple Logs Hemlock Logs	18.00 4.00 6.00 2.00 2.00	10.00 9.00 6.00 5.00 2.00	5.00 5.00 4.00 5.00 3.00	33.00 M.B.M. 18.00 M.B.M. 14.00 M.B.M. 12.00 M.B.M. 7.00 M.B.M.	5328

DATE OFFERED	DATE SOLD	LOCALITY	AREA SQUARE MILES	NO. OF TEN- DERS	TO WHOM SOLD	PRICES PAID			TOTAL (PER UNIT VOLUME)		FILE
						KIND OF TIMBER	BID	UPSET	DUES	\$	
1952 Sept. 19	1952 Oct. 14	Prince Twp.	1½	5	A. Vabi, 19 Henrietta St., Sault Ste. Marie, Ont.	W. Birch Logs Y. Birch Logs Maple Logs W. Pine Logs Spruce Logs Balsam Pulpwood	2.00 10.00 3.00 3.00 4.00 .50	5.00 10.00 5.00 10.00 3.00 .10	3.00 5.00 5.00 5.00 4.00 1.40	10.00 M.B.M. 25.00 M.B.M. 13.00 M.B.M. 18.00 M.B.M. 11.00 M.B.M. 2.00 cord	9160-A
Sept. 19	Oct. 14	Kehoe Twp.	½	1	Sidney C. Collins, Echo Bay, Ont.	Y. Birch Logs Maple Logs W. Pine Logs Spruce Logs Hemlock Logs Balsam Pulpwood Spruce Pulpwood	7.00 1.00 3.00 1.00 1.00 .10 .20	8.00 2.00 10.00 3.00 1.00 — —	5.00 5.00 5.00 4.00 3.00 1.40 2.80	20.00 M.B.M. 8.00 M.B.M. 18.00 M.B.M. 8.00 M.B.M. 5.00 M.B.M. 1.50 cord 3.00 cord	20273
Sept. 24	Oct. 16	Forge and Boys Twp.	2	3	A. Schultcz, 488 Third St. N., Kenora, Ont.	Spruce Pulpwood Balsam Pulpwood Jackpine Pulpwood Birch Fuelwood	1.50 .50 1.00 .50	.70 .20 .60 —	2.80 1.40 1.40 1.00	5.00 cord 2.10 cord 3.00 cord 1.50 cord	125452
Sept. 25	Oct. 17	Gould Twp.	1½	2	Fred I. Carlson, Box 74, Thessalon, Ont.	White Spruce Jackpine Maple Logs Y. Birch Logs Hemlock Logs	.01¼ .01¼ 2.00 26.50 1.00	.04 .04 3.00 7.00 1.00	.05¼ cu. ft. .05¼ cu. ft. 5.00 5.00 3.00	10.00 M.B.M. 38.50 M.B.M. 5.00 M.B.M.	10969
Sept. 30	Oct. 21	Bryce Twp.	1¾	2	A. Touzin, Charlton, Ont.	Spruce Logs Poplar Logs Spruce Pulpwood Balsam Pulpwood Cedar	9.50 1.90 .10 .25 .01	2.50 2.10 .70 .60 —	4.00 3.00 2.80 1.40 .01	16.00 M.B.M. 7.00 M.B.M. 3.60 cord 2.25 cord .02 lin. ft.	19762



DATE OFFERED	DATE SOLD	LOCALITY	AREA SQUARE MILES	NO. OF TEN- DERS	TO WHOM SOLD	PRICES PAID				TOTAL (PER UNIT VOLUME)	FILE
						KIND OF TIMBER	BID	UPSET	DUES		
1952 Oct. 6	1952 Oct. 28	Hammell Twp.	7	2	Frawley Lake Lbr. Co. Ltd., Powasson, Ont.	White Pine Logs Red Pine Logs Spruce Logs Y. Birch Logs Maple Logs White Birch Logs	\$ 4.90 5.20 3.50 4.80 3.10 3.10	\$ 5.10 4.80 1.50 6.20 3.90 5.90	\$ 5.00 5.00 4.00 5.00 5.00 3.00	15.00 M.B.M. 15.00 M.B.M. 9.00 M.B.M. 16.00 M.B.M. 12.00 M.B.M. 12.00 M.B.M.	125
Oct. 10	Oct. 28	Gour Twp.	2	1	J. Jorgenson, Ignace, Ont.	Jackpine Pulpwood	—	.45	1.40	1.85 cord	9457-A
								UPSET PRICES			
						Jackpine Logs	.005	.04		.045 cu. ft.	
Oct. 21	Nov. 13	Wabigoon Twp.	1/2	2	Allan M. Miller, 212 St. James St., Pt. Arthur, Ont.	Jackpine Pulpwood Balsam Pulpwood Spruce Pulpwood	.55 .35 .75	.60 .60 .70	1.40 1.40 2.80	2.55 cord 2.35 cord 4.25 cord	12152
								UPSET PRICES			
						Jackpine Logs	.00 1/4	.04		.04 1/4 cu. ft.	
Oct. 22	Nov. 13	Proudfoot Twp.	2 1/4	4	Murray Bros., Burks Falls, Ont.	Y. Birch Logs Hemlock Logs Maple Logs Spruce Logs	16.00 5.00 10.00 5.00	10.00 4.00 5.00 6.00	5.00 3.00 5.00 4.00	31.00 M.B.M. 12.00 M.B.M. 20.00 M.B.M. 15.00 M.B.M.	81997 Vol. 2
Nov. 5	Nov. 14	Boston Twp.	1/2	3	Harry Block, Jr., Kirkland Lake, Ont.	Poplar Logs Spruce Logs Jackpine Logs	3.00 3.00 3.00	.50 2.00 2.00	3.00 4.00 4.00	6.50 M.B.M. 9.00 M.B.M. 9.00 M.B.M.	106561
Nov. 12	Nov. 19	Catharine Twp.	1/2	2	Harvey S. Simon, Englehart, Ont.	Poplar Logs W. Birch Logs Jackpine Logs Spruce Logs Balsam Logs	1.25 .75 1.00 1.50 1.00	.50 .50 4.00 4.00 2.00	3.00 3.00 4.00 4.00 2.00	4.75 M.B.M. 4.25 M.B.M. 9.00 M.B.M. 9.50 M.B.M. 7.00 M.B.M.	9469

DATE OFFERED	DATE SOLD	LOCALITY	AREA SQUARE MILES	NO. OF TEN- DERS	TO WHOM SOLD	PRICES PAID				TOTAL (PER UNIT VOLUME)	FILE
						KIND OF TIMBER	BID \$	UPSET \$	DUES \$		
1952 Nov. 24	1952 Dec. 4	McMurrich Twp.	1/2	1	Archie Leeder, Novac, Ont.	Birch Logs	5.00	15.00	5.00	25.00 M.B.M.	30156
						Maple Logs	5.00	5.00	5.00	15.00 M.B.M.	
						Beech Logs	2.00	5.00	3.00	10.00 M.B.M.	
						Ash, Basswood	5.00	5.00	5.00	15.00 M.B.M.	
						Hemlock Logs	3.00	4.00	3.00	10.00 M.B.M.	
Nov. 12	Dec. 8	Clarendon Twp.	1 1/4	2	James Derue, 284 Westdale Ave., Kingston, Ont.	White Pine Logs	5.00	5.00	5.00	15.00 M.B.M.	20599
						Elm Logs	3.50	1.50	5.00	10.00 M.B.M.	
						Poplar Logs	2.50	.50	3.00	6.00 M.B.M.	
						Poplar Pulpwood	.50	—	1.00	1.50 cord	
						Jackpine Pulpwood	.27	.60	1.40	2.27 cord	
Nov. 18	Dec. 8	Wabigoon Twp.	1/2	1	Can. Pulp & Lumber Co., 444 Queen St. W., Toronto, Ont.	Spruce Pulpwood	.32	.70	2.80	3.82 cord	12152
						UPSET PRICES					
						Jackpine Logs	.005	.04		.045 cu. ft.	
						Spruce Logs	.005	.04		.045 cu. ft.	
						W. Pine Logs	10.00	5.00	5.00	20.00 M.B.M.	
Nov. 24	Dec. 15	Brudenell Twp.	3/4	2	Verner Gutz, Palmer Rapids, Ont.	Spruce Logs	8.00	3.00	4.00	15.00 M.B.M.	65139
						Balsam Logs	8.00	2.00	4.00	14.00 M.B.M.	
						Poplar Logs	1.00	1.00	3.00	5.00 M.B.M.	
						W. Birch Logs	8.00	1.00	3.00	12.00 M.B.M.	
						Oak Logs	8.00	2.50	5.00	15.50 M.B.M.	
						Maple Logs	10.00	2.50	5.00	17.50 M.B.M.	35001
						Ash Logs	8.00	2.00	5.00	15.00 M.B.M.	
						Basswood Logs	8.00	2.50	5.00	15.50 M.B.M.	
						Cedar Logs	8.00	2.50	3.00	13.50 M.B.M.	
						Balsam Pulpwood	—	—	1.40	1.40 cord	
Nov. 26	Dec. 18	Skey Twp.	9/4	1	Max Naumann, Dinorwic, Ont.	Jackpine Pulpwood	.26	.60	1.40	2.26 cord	
						Spruce Pulpwood	.40	.70	2.80	3.90 cord	
						UPSET PRICES					
						Jackpine Logs	.006	.04		.046 cu. ft.	

DATE OFFERED	DATE SOLD	LOCALITY	AREA SQUARE MILES	NO. OF TEN- DERS	TO WHOM SOLD	PRICES PAID			TOTAL (PER UNIT VOLUME)		FILE
						KIND OF TIMBER	BID	UPSET	DUES	\$	
1952 Dec. 12	1953 Jan. 5	Barrie Twp.	1	1	Basil Gray, Harlowe, Ont.	W. Pine Logs Maple Logs Y. Birch Logs Oak Logs Elm Logs Basswood Logs Spruce Logs Balsam Logs Cedar Logs Poplar Logs Balsam Pulpwood Poplar Pulpwood	\$ — 1.00 2.00 1.00 .50 1.00 1.50 — .50 — — —	\$ 5.00 2.50 2.50 2.50 2.00 2.50 3.00 2.00 2.50 1.00 — —	\$ 5.00 5.00 5.00 5.00 5.00 5.00 4.00 4.00 3.00 3.00 1.40 1.00	\$ 10.00 M.B.M. 8.50 M.B.M. 9.50 M.B.M. 8.50 M.B.M. 7.50 M.B.M. 8.50 M.B.M. 8.50 M.B.M. 6.00 M.B.M. 6.00 M.B.M. 4.00 M.B.M. 1.40 cord 1.00 cord	12668

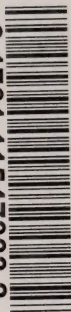












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